

Department of Homeland Security

Cybersecurity and Infrastructure Security Agency

Budget Overview



Fiscal Year 2021
Congressional Justification

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Cybersecurity and Infrastructure Security Agency

Appropriation Organization Structure

| Organization Name | Level | Fund Type (* Includes Defense Funding) |
|---|--------------------------|--|
| Cybersecurity and Infrastructure Security Agency | Component | |
| Operations and Support | Appropriation | |
| Mission Support | PPA | Discretionary - Appropriation* |
| Cybersecurity | PPA | |
| Cyber Readiness and Response | PPA Level II | Discretionary - Appropriation* |
| Cyber Infrastructure Resilience | PPA Level II | Discretionary - Appropriation* |
| Federal Cybersecurity | PPA Level II | Discretionary - Appropriation* |
| Cyber Operations | PPA Level II | Discretionary - Appropriation |
| Technology and Services | PPA Level II | Discretionary - Appropriation |
| Infrastructure Security | PPA | |
| Infrastructure Capacity Building | PPA Level II | Discretionary - Appropriation* |
| Infrastructure Security Compliance | PPA Level II | Discretionary - Appropriation* |
| Infrastructure Assessments and Security | PPA Level II | Discretionary - Appropriation |
| Chemical Security | PPA Level II | Discretionary - Appropriation |
| Emergency Communications | PPA | |
| Emergency Communications Preparedness | PPA Level II | Discretionary - Appropriation* |
| Priority Telecommunications Services | PPA Level II | Discretionary - Appropriation* |
| Integrated Operations | PPA | |
| Critical Infrastructure Situational Awareness | PPA Level II | Discretionary - Appropriation* |
| Risk Management Operations | PPA Level II | Discretionary - Appropriation* |
| Stakeholder Engagement and Requirements | PPA Level II | Discretionary - Appropriation* |
| Strategy, Policy, and Plans | PPA Level II | Discretionary - Appropriation* |
| Regional Operations | PPA Level II | Discretionary - Appropriation |
| Operations Coordination and Planning | PPA Level II | Discretionary - Appropriation |
| Risk Management Operations | PPA | |
| Risk Management Operations | PPA Level II | Discretionary - Appropriation |
| Stakeholder Engagement and Requirements | PPA | |
| Stakeholder Engagement and Requirements | PPA Level II | Discretionary - Appropriation |
| Procurement, Construction, and Improvements | Appropriation | |
| Construction and Facilities Improvements | PPA | |
| Pensacola Corry Station Facilities | Investment, PPA Level II | Discretionary - Appropriation |

Department of Homeland Security

Cybersecurity and Infrastructure Security Agency

| Organization Name | Level | Fund Type (* Includes Defense Funding) |
|--|-------------------------|--|
| Cybersecurity Assets and Infrastructure | PPA | |
| Continuous Diagnostics and Mitigation | Investment,PPA Level II | Discretionary - Appropriation* |
| National Cybersecurity Protection System | Investment,PPA Level II | Discretionary - Appropriation* |
| Federal Infrastructure Evolution Modernization | Investment,PPA Level II | Discretionary - Appropriation* |
| Emergency Communications Assets and Infrastructure | PPA | |
| Next Generation Networks Priority Services | PPA Level II,Investment | Discretionary - Appropriation* |
| Risk Management Assets and Infrastructure | PPA | |
| Modeling Capability Transition Environment | PPA Level II,Investment | Discretionary - Appropriation |
| Infrastructure Security Assets and Infrastructure | PPA | |
| CISA Gateway | PPA Level II,Investment | Discretionary - Appropriation |
| Research and Development | Appropriation | |
| Cybersecurity R&D | PPA | |
| Analytics | R&D Project | Discretionary - Appropriation |
| Emergency Communications | R&D Project | Discretionary - Appropriation |
| Network and Infrastructure Security | R&D Project | Discretionary - Appropriation |
| Requirements Gathering and Prioritization | R&D Project | Discretionary - Appropriation |
| Cybersecurity Technology Strategic Initiative | R&D Project | Discretionary - Appropriation |
| Infrastructure Security R&D | PPA | |
| Improvised Explosive Device Precursor | R&D Project | Discretionary - Appropriation |
| Infrastructure Development and Recovery (IDR) | R&D Project | Discretionary - Appropriation |
| Technology Development and Deployment Program (TDDP) | R&D Project | Discretionary - Appropriation |
| Risk Management R&D | PPA | |
| Positioning, Navigation, and Timing (PNT) | R&D Project | Discretionary - Appropriation |
| Technology Development and Deployment Program (TDDP) | R&D Project | Discretionary - Appropriation |
| National Infrastructure Simulation and Analysis Center | R&D Project | Discretionary - Appropriation |

Cybersecurity and Infrastructure Security Agency Strategic Context

Component Overview

The strategic context presents the performance budget by tying together programs, or PPAs, and performance measures that gauge the delivery of results to our stakeholders. The Common Appropriation Structure (CAS) allows DHS to integrate the programmatic view and a significant portion of the Level 1 PPAs represent what DHS refers to as our mission programs. A mission program is a group of activities acting together to accomplish a specific high-level outcome external to DHS and includes operational processes, skills, technology, human capital, and other resources. CISA's mission programs are presented below. Performance measures associated with these programs are presented in two measure sets, strategic and management measures. Strategic measures communicate results delivered for our agency goals by these programs and are considered our Government Performance and Results Act Modernization Act of 2010 (GPRAMA) measures. Additional management measures are displayed to provide a more thorough context of expected program performance for the Component related to its budgetary plans. Measure tables that do not display previous year's results are because the measure did not exist at that time.

Cybersecurity: The Cybersecurity program advances computer security preparedness and the response to cyberattacks and incidents. The program includes activities to secure the federal network, respond to incidents, disseminate actionable information, and collaborate with private-sector partners to secure critical infrastructure. This program supports the implementation of government-wide deployment of hardware and software systems to prevent and detect incidents, response to incidents at federal and private entities, and collaboration with the private-sector to increase the security and resiliency of critical networks. The program also coordinates cybersecurity education for the federal workforce.

Strategic Measures

| | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of critical and high configuration-based vulnerabilities identified through high value asset assessments mitigated within 30 days | | | | | | |
| Description: This measure reports the percent of critical and high configuration-based vulnerabilities identified in High Value Assets (HVA) assessments that have been mitigated within 30 days. HVA assessments are performed across the Federal Government to identify vulnerabilities associated with the most sensitive IT systems and data. Configuration-based vulnerabilities are those that can be more quickly mitigated by agencies through actions such as changing security settings, software or configuration changes, patching software vulnerabilities, and adjusting user account privileges. Agencies report monthly to the program on the status of mitigating these configuration-based vulnerabilities. The results indicate if agencies are mitigating less complex HVA vulnerabilities within the government-wide goal of 30 days. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | --- | --- | --- | --- | 70% | 75% |
| Result: | --- | --- | --- | --- | TBD | TBD |

| | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of critical and high vulnerabilities identified through cyber hygiene scanning mitigated within the designated timeframe | | | | | | |
| Description: This measure calculates the percent of critical and high vulnerabilities, identified through cyber hygiene scanning, that have been mitigated within the specified timeline. For critical vulnerabilities, mitigation is required within 15 days from point of initial detection, and for high vulnerabilities mitigation is required within 30 days. Cyber hygiene scanning prioritizes vulnerabilities based on their severity as a means for agencies to make risk-based decisions regarding their network security. Identifying and mitigating vulnerabilities on a network in a timely manner is a critical component of an effective cybersecurity program, as it is critical to maintaining operational availability and integrity of IT systems. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | --- | 80% | 80% | 70% | 70% | 75% |
| Result: | --- | --- | 52% | 59% | TBD | TBD |

| | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of potential malicious cyber activity notifications where impacted agencies were alerted within the specified timeframe | | | | | | |
| Description: The measure tracks the percent of potential malicious cyber activity notifications identified as credible where the affected agency is alerted within the specified timeframe. Potential malicious cyber activity on federal networks is detected by automated tools through the National Cyber Protection System (NCPS) alert-based detection function. The system sends automated notifications to analysts within NCPS, who then manually review the notification(s), confirm if a potential credible threat exists, and if so, the affected agency is sent an email for their further exploration. The specified timeframe to notify affected agencies of potential malicious cyber activity is 18 hours for FY20 and 12 hours for FY21. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | --- | --- | --- | --- | 75% | 75% |
| Result: | --- | --- | --- | --- | TBD | TBD |

Management Measures

| | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Number of new hires made under the Cyber Talent Management System | | | | | | |
| Description: This measure demonstrates progress towards an initial hiring target for the newly created Cyber Talent Management System (CTMS). The CTMS is an exempted personnel hiring system that is tailored to the unique education, certifications, approaches, and processes for the cybersecurity workforce. The CTMS system includes a focus on the capability of people, not the duties of the position; a focus on continuous development and refreshment of cybersecurity capabilities; and recognizes that mission needs and talent shifts occur across the Department, resulting in the ability to move individuals around the Department seamlessly. Hiring cyber professionals under this new system is critical to aligning prospective cybersecurity talent to the most pressing cybersecurity needs and will allow these technical professionals to accelerate their careers as rapidly as their aptitudes allow. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | --- | --- | --- | --- | 109 | 150 |
| Result: | --- | --- | --- | --- | TBD | TBD |

Emergency Communications: The Emergency Communications program is responsible for ensuring the Nation’s interoperable emergency communications capabilities to enable first responders and government officials to communicate during steady state and emergency operations.

Strategic Measures

| | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of all state and territory emergency communications interoperability components operating at the highest levels | | | | | | |
| Description: The measure identifies the current level of emergency communications interoperability maturity across 56 states and territories as defined by the National Council of Statewide Interoperability Coordinators (NCSWIC) Interoperability Markers. The 24 markers cover a range of interoperability factors including governance, standard operating procedures, technology, training and exercises, usage, and others, allowing states and territories to benchmark their progress and enhance their capabilities for interoperable communications. Each state and territory self-evaluate their interoperability maturity annually against all 24 interoperability components. Markers operating as “defined” or “optimized” based on best practices are considered the highest levels. Interoperable emergency communications capabilities enable first responders and government officials to continue to communicate during response to incidents or disasters. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | --- | --- | --- | --- | 50% | 55% |
| Result: | --- | --- | --- | --- | TBD | TBD |

| | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of calls by National Security/Emergency Preparedness users that DHS ensured were connected | | | | | | |
| Description: This measure gauges the reliability and effectiveness of the Government Emergency Telecommunications Service (GETS) by assessing the completion rate of calls made through the service. The GETS call completion rate is the percent of calls that a National Security/Emergency Preparedness (NS/EP) user completes via public telephone network to communicate with the intended user/location/system/etc. GETS is accessible by authorized users at any time, most commonly to ensure call completion during times of network congestion caused by all-hazard scenarios, including terrorist attacks or natural disasters (e.g., hurricane or earthquake). | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | 97.5% | 98.0% | 98.5% | 99.0% | 99.0% | 99.0% |
| Result: | 99% | 99.3% | 99.1% | 99.5% | TBD | TBD |

Management Measures

| | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of emergency communication grant recipients compliant with SAFECOM guidance requirements | | | | | | |
| Description: This measure gauges the percent of grant recipients in compliance with requirements in the SAFECOM Guidance on Emergency Communications Grants. SAFECOM began as part of the Presidential E-Government Initiative to improve public safety interoperability, allowing emergency responders to communicate effectively before, during, and after emergencies and disasters. Department of Homeland Security (DHS) grant recipients investing in emergency communications are required to comply with SAFECOM Guidance. The guidance promotes the use of established best practices to ensure investments in emergency communications are interoperable. This measure tracks the improvement in grant recipients meeting SAFECOM requirements to ensure emergency communications investments are interoperable. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | --- | --- | --- | --- | 75% | 78% |
| Result: | --- | --- | --- | --- | TBD | TBD |

| | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of wireless priority calls by National Security and Emergency Preparedness users that DHS ensured were connected | | | | | | |
| Description: This measure gauges the reliability and effectiveness of the Wireless Priority Service (WPS) by assessing the completion rate of calls made through the service. The WPS call completion rate is the percentage of wireless priority calls that a National Security and Emergency Preparedness (NS/EP) user completes via public cellular network to communicate with the intended user, location, system, etc. WPS is accessible by authorized users at any time, most commonly to ensure call completion during times of network congestion caused by all-hazard scenarios, including terrorist attacks or natural disasters. (e.g., hurricane or earthquake). | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | --- | --- | --- | --- | 85% | 85% |
| Result: | --- | --- | --- | --- | TBD | TBD |

Infrastructure Security: The Infrastructure Security program leads and coordinates both regulatory and voluntary national programs and policies on critical infrastructure security and resilience and develops strong partnerships across government and the private sector. The program conducts and facilitates vulnerability and consequence assessments to help critical infrastructure owners and operators and state, local, tribal, and territorial (SLTT) partners to understand and address risks to critical infrastructure. Additionally, it sets standards, and issues guidance and best practices for federal facility security and offers soft targets and crowded places tools and training to help build capacity to manage risks.

Strategic Measures

| | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of facilities that are likely to integrate vulnerability assessment or survey information into security and resilience enhancements | | | | | | |
| Description: This measure demonstrates the percent of facilities that are likely to enhance their security and resilience by integrating Infrastructure Protection vulnerability assessment or survey information. Providing facilities with vulnerability information allows them to understand and reduce risk of the Nation's critical infrastructure. The results are based on all available data collected during the fiscal year through vulnerability assessments. Security and resilience enhancements can include changes to physical security, security force, security management, information sharing, protective measures, dependencies, robustness, resourcefulness, recovery, or the implementation of options for consideration. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | 80% | 80% | 80% | 85% | 85% | 85% |
| Result: | 90% | 92% | 87% | 88% | TBD | TBD |

Management Measures

| | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Number of Continuing Education Units (CEUs) issued through bombing prevention training | | | | | | |
| Description: This measure captures the number of International Association for Continuing Education and Training (IACET) Continuing Education Units (CEU) issued to stakeholders by the Office for Bombing Prevention (OBP). It provides an indication of the value of OBP accredited training to federal, state, local, territorial, tribal, and private sector partners continuing education needs. As an IACET accredited provider, OBP has multiple courses that award CEUs to the participant upon successful course completion. The IACET accreditation and CEUs issued validate that the training meets American National Standards Institute (ANSI) criteria for continuing education requirements and meets stakeholder needs for awarding and maintaining professional certifications, licenses, or memberships to perform their respective role(s) in preventing, protecting against, responding to, and/or mitigating bombing incidents. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | --- | --- | --- | --- | 5,000 | 5,500 |
| Result: | --- | --- | --- | --- | TBD | TBD |

| | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of applicable Executive Branch Departments and Agencies that have reported compliance with Interagency Security Committee (ISC) policies and standards | | | | | | |
| Description: This measure communicates the percentage of applicable Executive Branch Departments and Agencies that reported compliance data into the Interagency Security Committee Compliance System (ISC-CS). Executive Branch Departments and Agencies complete a 20-question organizational benchmark questionnaire that evaluates their compliance with ISC policies and standards. Monitoring Executive Branch Department and Agency compliance with ISC Policies and Standards is a requirement in Executive Order 12977. Compliance with ISC policies and standards enhances security and resilience and reduces risk to the Nation's critical infrastructure. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | --- | --- | --- | --- | 20% | 30% |
| Result: | --- | --- | --- | --- | TBD | TBD |

| | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of Chemical Facility Anti-Terrorism Standards high-risk facilities inspected per fiscal year by Chemical Security Inspectors | | | | | | |
| Description: This measure identifies the percentage of Chemical Facility Anti-Terrorism Standards (CFATS) high-risk chemical facilities that received an authorization or compliance inspection during a fiscal year. Authorization inspections are conducted to ensure Site Security Plans (SSPs) adhere to risk based performance standards that leads to the Department's approval of the SSP. Follow-on compliance inspections ensure adherence to the approved SSP. Inspections are a key indicator used to predict the overall security posture of a CFATS high-risk chemical facility and identify compliance with the risk-based performance standards. Assessing a CFATS high-risk chemical facility's vulnerabilities and compliance is part of an overall risk reduction process to enhance security. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | --- | --- | --- | --- | 35% | 35% |
| Result: | --- | --- | --- | --- | TBD | TBD |

| | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of respondents reporting that the counter improvised explosive device information provided by DHS is a valuable resource to support their responsibilities | | | | | | |
| Description: This measure provides an indication of the value of information sharing via the Technical Resource for Incident Prevention (TRIPwire) to a diverse array of homeland security stakeholders (federal, state, local, territorial, tribal, and private sector partners) related to improvised explosive device (IED) threats and corresponding preparedness measures. TRIPwire users complete voluntary questionnaires on a quarterly basis rating their satisfaction with the utility of the information provided by TRIPwire. This ensures that TRIPwire's information sharing capabilities are keeping pace with what users seek and need to support their responsibilities. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | 78% | 78% | 78% | 80% | 82% | 83% |
| Result: | 97% | 87% | 90% | 92% | TBD | TBD |

| | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Measure: Percent of respondents reporting that the counter-improvised explosive device (IED) training provided by DHS enhances their preparedness to perform their jobs | | | | | | |
| Description: This measure provides an indication of whether NPPD's counter-IED training enhances the preparedness of a diverse array of homeland security stakeholders (Federal, state, local, and private sector partners) to perform their respective role(s) in preventing, protecting against, responding to, and/or mitigating bombing incidents. Training participants complete a voluntary questionnaire at the completion of every training iteration rating the degree to which the training increased their preparedness. This measure calculates the percentage of participants reporting that the training will increase their preparedness, response to and mitigation of bombing incidents. This measure provides important feedback to NPPD regarding how C-IED information is received by homeland security stakeholders, and demonstrates NPPD's contribution to enhancing national capabilities to prevent, protect against, respond to, and mitigate bombing incidents, in support of departmental and national objectives. | | | | | | |
| Fiscal Year: | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 | FY 2021 |
| Target: | --- | --- | --- | 85% | 86% | 87% |
| Result: | --- | --- | --- | 95% | TBD | TBD |

Cybersecurity and Infrastructure Security Agency Budget Comparison and Adjustments

Appropriation and PPA Summary

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|--------------------|--------------------|-------------------------------|
| Operations and Support | \$1,345,802 | \$1,566,229 | \$1,437,888 |
| Mission Support | \$79,903 | \$84,677 | \$141,145 |
| Cybersecurity | \$782,073 | \$947,266 | \$801,675 |
| Cyber Readiness and Response | \$272,235 | \$367,063 | - |
| Cyber Infrastructure Resilience | \$46,571 | \$86,535 | - |
| Federal Cybersecurity | \$463,267 | \$493,668 | - |
| Cyber Operations | - | - | \$407,497 |
| Technology and Services | - | - | \$394,178 |
| Infrastructure Security | \$202,905 | \$223,412 | \$88,107 |
| Infrastructure Capacity Building | \$128,470 | \$147,901 | - |
| Infrastructure Security Compliance | \$74,435 | \$75,511 | - |
| Infrastructure Assessments and Security | - | - | \$88,107 |
| Emergency Communications | \$118,069 | \$119,001 | \$116,430 |
| Emergency Communications Preparedness | \$54,069 | \$54,338 | \$51,549 |
| Priority Telecommunications Services | \$64,000 | \$64,663 | \$64,881 |
| Integrated Operations | \$162,852 | \$191,873 | \$166,693 |
| Critical Infrastructure Situational Awareness | \$27,351 | \$26,735 | - |
| Risk Management Operations | \$77,136 | \$109,901 | - |
| Stakeholder Engagement and Requirements | \$45,386 | \$42,511 | - |
| Strategy, Policy, and Plans | \$12,979 | \$12,726 | - |
| Regional Operations | - | - | \$95,105 |
| Operations Coordination and Planning | - | - | \$71,588 |
| Risk Management Operations | - | - | \$86,318 |
| Risk Management Operations | - | - | \$86,318 |
| Stakeholder Engagement and Requirements | - | - | \$37,520 |
| Stakeholder Engagement and Requirements | - | - | \$37,520 |
| Procurement, Construction, and Improvements | \$322,829 | \$434,962 | \$313,479 |
| Construction and Facilities Improvements | \$15,000 | - | - |

Department of Homeland Security

Cybersecurity and Infrastructure Security Agency

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|--------------------|--------------------|-------------------------------|
| Pensacola Corry Station Facilities | \$15,000 | - | - |
| Cybersecurity Assets and Infrastructure | \$255,078 | \$379,352 | \$265,520 |
| Continuous Diagnostics and Mitigation | \$160,000 | \$213,514 | \$174,350 |
| National Cybersecurity Protection System | \$95,078 | \$165,838 | \$91,170 |
| Emergency Communications Assets and Infrastructure | \$42,551 | \$50,729 | \$41,158 |
| Next Generation Networks Priority Services | \$42,551 | \$50,729 | \$41,158 |
| Risk Management Assets and Infrastructure | \$413 | - | - |
| Modeling Capability Transition Environment | \$413 | - | - |
| Infrastructure Security Assets and Infrastructure | \$9,787 | \$4,881 | \$6,801 |
| CISA Gateway | \$9,787 | \$4,881 | \$6,801 |
| Research and Development | \$13,126 | \$14,431 | \$6,431 |
| Cybersecurity R&D | \$4,695 | - | - |
| Cybersecurity Technology Strategic Initiative | \$4,695 | - | - |
| Infrastructure Security R&D | \$3,216 | \$1,216 | \$1,216 |
| Improvised Explosive Device Precursor | \$793 | \$793 | \$793 |
| Infrastructure Development and Recovery (IDR) | \$423 | \$423 | \$423 |
| Technology Development and Deployment Program (TDDP) | \$2,000 | - | - |
| Risk Management R&D | \$5,215 | \$13,215 | \$5,215 |
| Positioning, Navigation, and Timing (PNT) | \$575 | \$575 | \$575 |
| Technology Development and Deployment Program (TDDP) | \$640 | \$5,640 | \$640 |
| National Infrastructure Simulation and Analysis Center | \$4,000 | \$7,000 | \$4,000 |
| Total | \$1,681,757 | \$2,015,622 | \$1,757,798 |

Cybersecurity and Infrastructure Security Agency Comparison of Budget Authority and Request

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|---|--------------------|--------------|--------------------|--------------------|--------------|--------------------|-------------------------------|--------------|--------------------|-------------------------------------|-----------|--------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Operations and Support | 2,469 | 1,976 | \$1,345,802 | 2,675 | 2,158 | \$1,566,229 | 2,698 | 2,235 | \$1,437,888 | 23 | 77 | (\$128,341) |
| Procurement, Construction, and Improvements | - | - | \$322,829 | - | - | \$434,962 | - | - | \$313,479 | - | - | (\$121,483) |
| Research and Development | - | - | \$13,126 | - | - | \$14,431 | - | - | \$6,431 | - | - | (\$8,000) |
| Total | 2,469 | 1,976 | \$1,681,757 | 2,675 | 2,158 | \$2,015,622 | 2,698 | 2,235 | \$1,757,798 | 23 | 77 | (\$257,824) |
| Subtotal Discretionary - Appropriation | 2,469 | 1,976 | \$1,681,757 | 2,675 | 2,158 | \$2,015,622 | 2,698 | 2,235 | \$1,757,798 | 23 | 77 | (\$257,824) |

Component Budget Overview

Cybersecurity and Infrastructure Security Agency's (CISA) purpose is to mobilize a collective defense of the Nation's critical infrastructure. CISA leads the Nation's risk management efforts by bringing together diverse stakeholders to collaboratively identify risks, prioritize them, develop solutions, and drive those solutions to ensure the stability of National Critical Functions. As the Nation's risk advisor, CISA is unique in its position to partner with private industry, researchers, international governments, emergency responders, intelligence, defense, and other communities.

In today's globally interconnected world, the country's critical infrastructure and American way of life face a wide array of serious risk. Nation-state adversaries and competitors seek to advance their objectives through a wide variety of hybrid tactics, including subtle actions that together significantly weaken the foundations of U.S. power, degrade society's functions, and increase adversaries' ability to hold critical U.S. infrastructure at risk. Many of these risks are complex, dispersed both geographically and across a variety of stakeholders, and very in difficulty to understand and address. CISA serves a vital role as a central coordinator of analysis, planning, and response, especially in areas where there is no other designated Federal Government leader.

The FY 2021 President's Budget provides \$1.8B in discretionary funds, including:

- \$1.1B for cybersecurity efforts to protect the Federal ".gov" domain of civilian networks and partner with the private sector to increase the security of critical networks;
- \$96.1M for infrastructure security efforts to secure and increase resilience for critical infrastructure against all hazards through risk management and collaboration with the critical infrastructure community;
- \$157.6M to ensure emergency communication interoperability and provide assistance and support to Federal, State, local, tribal, territorial stakeholders;

- \$166.7M for Integrated Operations for CISA’s frontline, externally-facing activities to ensure seamless support and expedited response to critical needs;
- \$91.5M for the National Risk Management Center to provide infrastructure consequence analysis, decision support, and modeling capabilities to public and private sector partners;
- \$37.5M for Stakeholder Engagement and Requirements to foster collaboration, coordination, and a culture of shared responsibility for national critical infrastructure risk management and resilience with Federal, State, local, tribal, territorial, and private sector partners within the United States, as well as with our international partners abroad;
- \$141.1M for mission support activities.

Additional highlights include:

- \$370.1M for the National Cybersecurity Protection System/EINSTEIN, an integrated system-of-systems that delivers a range of capabilities, including intrusion detection, analytics, intrusion prevention, and information sharing capabilities, that defend the civilian Federal Government’s information technology infrastructure from cyber threats.
- \$281.7M for the Continuous Diagnostics and Mitigation to fortify the cybersecurity of government networks and systems.

These funds will provide needed resources to build on CISA’s previous accomplishments to defend and protect the Federal network and the Nation’s critical infrastructure, including efforts to support Federal Departments and Agencies in mitigating critical vulnerabilities discovered through the cyber hygiene scanning and high value asset assessments that CISA provides, connecting Federal entities to the CDM system to increase their visibility of their networks and enhance their ability to manage risk, conducting training and security assessments to critical infrastructure owners and operators to enhance their resilience to threats, and providing technical and programmatic support to emergency responders to ensure reliable interoperable communications, and helping State and local jurisdictions shore up their election security.

In November 2018, Congress passed the Cybersecurity and Infrastructure Security Agency Act of 2018 reorganizing the former National Protection and Programs Directorate (NPPD) into CISA, which today serves as an operational component focused on leading the national effort to understand and manage cyber and physical risks to critical U.S. infrastructure. The FY 2021 President’s Budget reorganizes the PPA structure to fully reflect this vision.

The following tables provide a consolidated, detailed itemization of CISA’s funding.

| Operations and Support <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | Defense % | Non-Defense % |
|--|----------------------------|----------------------------|---|------------------|--------------------------|
| <u>Mission Support (Level 1)</u> | | | | | |
| Mission Support (Level 2) | 79,903 | 84,677 | 141,145 | 45.5% | 54.5% |
| Mission Support (Level 3) | 79,903 | 84,677 | 103,725 | 43.7% | 56.3% |
| External Affairs (New Level 3) | - | - | 7,371 | 43.7% | 56.3% |
| Privacy (New Level 3) | - | - | 2,829 | 43.7% | 56.3% |
| Strategy, Policy, & Plans (New Level 3) | - | - | 11,314 | 66.0% | 34.0% |
| National Services Support Facility Management (New Level 3) | - | - | 1,739 | 43.7% | 56.3% |
| CTO (New Level 3) | - | - | 14,167 | 43.7% | 56.3% |
| Subtotal, Mission Support | 79,903 | 84,677 | 141,145 | 45.5% | 54.5% |
| <u>Cybersecurity (Level 1)</u> | | | | | |
| Cyber Readiness and Response (Level 2) | 272,235 | 367,063 | - | - | - |
| NCCIC Operations (Level 3) | 164,579 | 213,106 | - | - | - |
| NCCIC Planning & Exercises (Level 3) | 107,656 | 153,957 | - | - | - |
| Cyber Infrastructure Resilience (Level 2) | 46,571 | 86,535 | - | - | - |
| Cybersecurity Advisors (Level 3) | 14,918 | 19,917 | - | - | - |
| Enhanced Cybersecurity Services (Level 3) | 13,115 | 13,178 | - | - | - |
| Cyber Education and Awareness (Level 3) | 18,538 | 43,955 | - | - | - |
| Cyber Technology Initiative (Level 3) | - | 9,485 | - | - | - |
| Federal Cybersecurity (Level 2) | 463,267 | 493,668 | - | - | - |
| Federal Network Resilience (Level 3) | 50,133 | 82,146 | - | - | - |
| Continuous Diagnostics & Mitigation (Level 3) | 115,872 | 111,358 | - | - | - |
| National Cybersecurity Protection System (Level 3) | 297,262 | 300,164 | - | - | - |
| Cyber Operations (New Level 2) | | - | 407,497 | 100.0% | 0.0% |
| Strategy and Performance (New Level 3) | - | - | 3,434 | 100.0% | 0.0% |
| Threat Hunting (New Level 3) | - | - | 116,502 | 100.0% | 0.0% |

Department of Homeland Security

Cybersecurity and Infrastructure Security Agency

| Operations and Support <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | Defense % | Non-Defense % |
|--|----------------------------|----------------------------|---|------------------|--------------------------|
| Vulnerability Management (New Level 3) | - | - | 147,856 | 100.0% | 0.0% |
| Capacity Building (New Level 3) | - | - | 101,921 | 100.0% | 0.0% |
| Operational Planning & Coordination (New Level 3) | - | - | 37,784 | 100.0% | 0.0% |
| Technology and Services (New Level 2) | - | - | 394,178 | 100.0% | 0.0% |
| Cybersecurity Services (New Level 3) | - | - | 7,870 | 100.0% | 0.0% |
| Continuous Diagnostics & Mitigation (New Level 3) | - | - | 107,384 | 100.0% | 0.0% |
| National Cybersecurity Protection System (New Level 3) | - | - | 278,924 | 100.0% | 0.0% |
| Subtotal, Cybersecurity | 782,073 | 947,266 | 801,675 | 100.0% | 0.0% |
| <u>Infrastructure Protection (Level 1)</u> | | | | | |
| Infrastructure Capacity Building (Level 2) | 128,470 | 147,901 | - | - | - |
| Sector Risk Management (Level 3) | 47,403 | 53,682 | - | - | - |
| - - Protective Security Advisors (Level 3) | 44,140 | 50,677 | - | - | - |
| Bombing Prevention (Level 3) | 17,277 | 23,051 | - | - | - |
| Infrastructure Information & Sensitive Data Protection (Level 3) | 19,650 | 20,491 | - | - | - |
| Infrastructure Security Compliance (Level 2) | 74,435 | 75,511 | - | - | - |
| Subtotal, Infrastructure Protection | 202,905 | 223,412 | - | - | - |
| <u>Infrastructure Security (New Level 1)</u> | | | | | |
| Infrastructure Assessments and Security (New Level 2) | - | | 88,107 | 100.0% | 0.0% |
| Strategy and Performance (New Level 3) | - | - | 1,969 | 100.0% | 0.0% |
| Security Programs (New Level 3) | - | - | 19,871 | 100.0% | 0.0% |
| CISA Exercises (New Level 3) | - | - | 12,122 | 100.0% | 0.0% |
| Assessments and Infrastructure Information (New Level 3) | - | - | 36,928 | 100.0% | 0.0% |
| Bombing Prevention (New Level 3) | - | - | 17,217 | 100.0% | 0.0% |
| Chemical Security (New Level 2) | - | - | - | 100.0% | 0.0% |
| Subtotal, Infrastructure Security | - | - | 88,107 | 100.0% | 0.0% |
| | | | | | |

Department of Homeland Security

Cybersecurity and Infrastructure Security Agency

| Operations and Support <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | Defense % | Non-Defense % |
|--|----------------------------|----------------------------|---|------------------|--------------------------|
| <u>Emergency Communications (Level 1)</u> | | | | | |
| Emergency Communications Preparedness (Level 2) | 54,069 | 54,338 | 51,549 | 100.0% | 0.0% |
| Priority Telecommunications Services (Level 2) | 64,000 | 64,663 | 64,881 | 100.0% | 0.0% |
| GETS/WPS/SRAS/TSP (Level 3) | 56,344 | 56,269 | 56,362 | 100.0% | 0.0% |
| NGN-Priority Services (Level 3) | 7,656 | 8,394 | 8,519 | 100.0% | 0.0% |
| Subtotal, Emergency Communications | 118,069 | 119,001 | 116,430 | 100.0% | 0.0% |
| <u>Integrated Operations (Level 1)</u> | | | | | |
| Critical Infrastructure Situational Awareness (Level 2) | 27,351 | 26,735 | - | - | - |
| Critical Infrastructure Situational Awareness (Level 3) | 27,351 | 26,735 | - | - | - |
| Risk Management Operations (Level 2) | 77,136 | 109,901 | - | - | - |
| National Infrastructure Simulation Analysis Center (Level 3) | 18,650 | 21,793 | - | - | - |
| Infrastructure Analysis (Level 3) | 58,486 | 88,108 | - | - | - |
| Stakeholder Engagements & Requirements (Level 2) | 45,386 | 42,511 | - | - | - |
| Stakeholder Engagements & Requirements (Level 3) | 20,088 | 17,721 | - | - | - |
| External Affairs (Level 3) | 7,005 | 6,966 | - | - | - |
| Privacy (Level 3) | 1,877 | 1,899 | - | - | - |
| Vulnerability Assessments (Level 3) | 16,416 | 15,925 | - | - | - |
| Strategy, Policy, & Plans (Level 2) | 12,979 | 12,726 | - | - | - |
| Strategy, Policy, & Plans (Level 3) | 12,979 | 12,726 | - | - | - |
| Regional Operations (New Level 2) | - | - | 95,105 | 100.0% | 0.0% |
| Coordination and Service Delivery (New Level 3) | - | - | 12,698 | 100.0% | 0.0% |
| Security Advisors (New Level 3) | - | - | 82,407 | 100.0% | 0.0% |
| Chemical Inspectors (New Level 3) | - | - | - | 100.0% | 0.0% |
| Operations Coordination and Planning (New Level 2) | - | - | 71,588 | 91.1% | 8.9% |
| Operations Center (New Level 3) | - | - | 58,663 | 100.0% | 0.0% |
| Intelligence (New Level 3) | - | - | 4,761 | 100.0% | 0.0% |

Department of Homeland Security

Cybersecurity and Infrastructure Security Agency

| Operations and Support <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | Defense % | Non-Defense % |
|---|----------------------------|----------------------------|---|------------------|--------------------------|
| Planning and Readiness (New Level 3) | - | - | 1,825 | 100.0% | 0.0% |
| Business Continuity and Emergency Preparedness (New Level 3) | - | - | 6,339 | 0.0% | 100.0% |
| Subtotal, Integrated Operations | 162,852 | 191,873 | 166,693 | 96.2% | 3.8% |
| <u>Risk Management Operations (New Level 1)</u> | | | | | |
| Risk Management Operations (New Level 2) | - | - | 86,318 | 100.0% | 0.0% |
| National Infrastructure Simulation Analysis Center (New Level 3) | - | - | 9,055 | 100.0% | 0.0% |
| Infrastructure Analysis (New Level 3) | - | - | 77,263 | 100.0% | 0.0% |
| Subtotal, Risk Management Operations | | | 86,318 | 100.0% | 0.0% |
| <u>Stakeholder Engagement and Requirements (New Level 1)</u> | | | | | |
| Stakeholder Engagement and Requirements (New Level 2) | - | - | 37,520 | 100.0% | 0.0% |
| Sector Specific Agency Management (New Level 3) | - | - | 14,756 | 100.0% | 0.0% |
| Council Management (New Level 3) | - | - | 7,954 | 100.0% | 0.0% |
| Stakeholder Engagement (New Level 3) | - | - | 13,136 | 100.0% | 0.0% |
| National Workforce Programs (New Level 3) | - | - | - | 100.0% | 0.0% |
| International Affairs (New Level 3) | - | - | 1,674 | 66.0% | 34.0% |
| Subtotal, Stakeholder Engagement and Requirements | - | - | 37,520 | 99.5% | 0.5% |
| Total Operations and Support | 1,345,802 | 1,566,229 | 1,437,888 | 94.2% | 5.8% |
| Defense | 1,279,256 | 1,496,818 | 1,354,033 | | |
| Non-Defense | 66,546 | 69,411 | 83,855 | | |

Department of Homeland Security

Cybersecurity and Infrastructure Security Agency

| Procurement, Construction, and Improvements (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | Defense % | Non- Defense % |
|--|--------------------|--------------------|----------------------------------|---------------|-------------------|
| <u>Cybersecurity (Level 1) new name is Cybersecurity Assets and Infrastructure</u> | | | | | |
| Federal Cybersecurity (Level 2) | 270,078 | 379,352 | - | 100.0% | 0.0% |
| Continuous Diagnostics & Mitigation (Level 3) | 160,000 | 213,514 | - | 100.0% | 0.0% |
| National Cybersecurity Protection System (Level 3) | 95,078 | 165,838 | - | 100.0% | 0.0% |
| Pensacola Corry Station Facilities (Level 3) | 15,000 | - | - | 100.0% | 0.0% |
| Continuous Diagnostics & Mitigation (New Level 2) | - | - | 174,350 | 100.0% | 0.0% |
| National Cybersecurity Protection System (New Level 2) | - | - | 91,170 | 100.0% | 0.0% |
| Subtotal, Cybersecurity Assets and Infrastructure | 270,078 | 379,352 | 265,520 | 100.0% | 0.0% |
| <u>Emergency Communications (Level 1)</u> <u>(New name is Emergency Communications Assets and Infrastructure)</u> | | | | | |
| Priority Telecommunications Services (Level 2) | 42,551 | 50,729 | - | 100.0% | 0.0% |
| Next Generation Priority Services (New Level 2) | - | - | 41,158 | 100.0% | 0.0% |
| Subtotal, Emergency Communications Assets and Infrastructure | 42,551 | 50,729 | 41,158 | 100.0% | 0.0% |
| <u>Infrastructure Security (Level 1)</u> <u>(New name is Infrastructure Security Assets and Infrastructure)</u> | 9,787 | 4,881 | 6,801 | 100.0% | 0.0% |
| <u>Integrated Operations (Level 1)</u> <u>(New name is Risk Management Assets and Infrastructure)</u> | 413 | - | - | 100.0% | 0.0% |

| | | | | | |
|--|----------------|----------------|----------------|---------------|-------------|
| Total Procurement, Construction, and Improvements | 322,829 | 434,962 | 313,479 | 100.0% | 0.0% |
| Defense | 322,829 | 434,962 | 313,479 | | |
| Non-Defense | - | - | - | | |

| Research & Development <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | Defense % | Non- Defense % |
|--|----------------------------|----------------------------|---|------------------|-------------------------------|
| <u>Cybersecurity (Level 1)</u> <u>(New name is Cybersecurity R&D)</u> | 4,695 | - | - | 100.0% | 0.0% |
| <u>Infrastructure Security (Level 1)</u> <u>(New name is Infrastructure Security R&D)</u> | 3,216 | 1,216 | 1,216 | 100.0% | 0.0% |
| <u>Integrated Operations (Level 1)</u> <u>(New name is Risk Management R&D)</u> | 5,215 | 13,215 | 5,215 | 100.0% | 0.0% |
| Total Research & Development | 13,126 | 14,431 | 6,431 | 100.0% | 0.0% |
| Defense | 13,126 | 14,431 | 6,431 | | |
| Non-Defense | - | - | - | | |

| Total CISA Funding <i>(Total in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|----------------------------|----------------------------|---|
| Operations and Support | 1,345,802 | 1,566,229 | 1,437,888 |
| [Defense] | 1,279,256 | 1,496,818 | 1,354,033 |
| [Non-Defense] | 66,546 | 69,411 | 83,855 |
| Procurement Construction and Improvements | 322,829 | 434,962 | 313,479 |
| [Defense] | 322,829 | 434,962 | 313,479 |
| [Non-Defense] | - | - | - |
| Research and Development | 13,126 | 14,431 | 6,431 |
| [Defense] | 13,126 | 14,431 | 6,431 |
| [Non-Defense] | - | - | - |
| TOTAL | 1,681,757 | 2,015,622 | 1,757,798 |
| [Defense] | 1,615,211 | 1,946,211 | 1,673,943 |
| [Non-Defense] | 66,546 | 69,411 | 83,855 |

Cybersecurity and Infrastructure Security Agency Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|--------------------|--------------------|--------------------|
| Enacted/Request | \$1,681,757 | \$2,015,622 | \$1,757,798 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | \$286,984 | \$96,188 | \$5,000 |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$1,968,741 | \$2,111,810 | \$1,762,798 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$1,968,741 | \$2,111,810 | \$1,762,798 |
| Obligations (Actual/Estimates/Projections) | \$1,874,353 | \$2,106,810 | \$1,733,791 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | 2,469 | 2,675 | 2,698 |
| Enacted/Request FTE | 1,976 | 2,158 | 2,235 |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | 2,430 | 2,675 | 2,698 |
| FTE (Actual/Estimates/Projections) | 1,939 | 2,158 | 2,235 |

Cybersecurity and Infrastructure Security Agency Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|--------------|------------------|-----------------|-----------------|--------------|------------------|-----------------|----------------------------|--------------|------------------|-----------------|--------------------------|-----------|-----------------|----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Operations and Support | 2,469 | 1,976 | \$355,566 | \$179.91 | 2,675 | 2,158 | \$357,694 | \$158.35 | 2,698 | 2,235 | \$425,595 | \$183.27 | 23 | 77 | \$67,901 | \$24.92 |
| Total | 2,469 | 1,976 | \$355,566 | \$179.91 | 2,675 | 2,158 | \$357,694 | \$158.35 | 2,698 | 2,235 | \$425,595 | \$183.27 | 23 | 77 | \$67,901 | \$24.92 |
| Discretionary - Appropriation | 2,469 | 1,976 | \$355,566 | \$179.91 | 2,675 | 2,158 | \$357,694 | \$158.35 | 2,698 | 2,235 | \$425,595 | \$183.27 | 23 | 77 | \$67,901 | \$24.92 |

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|------------------|------------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$246,885 | \$341,710 | \$338,950 | (\$2,760) |
| 11.3 Other than Full-Time Permanent | \$5,423 | - | \$295 | \$295 |
| 11.5 Other Personnel Compensation | \$10,213 | - | \$410 | \$410 |
| 11.8 Special Personal Services Payments | \$59 | \$15,984 | \$15,984 | - |
| 12.1 Civilian Personnel Benefits | \$92,986 | - | \$68,824 | \$68,824 |
| 12.2 Military Personnel Benefits | - | - | \$1,132 | \$1,132 |
| Total - Personnel Compensation and Benefits | \$355,566 | \$357,694 | \$425,595 | \$67,901 |
| Positions and FTE | | | | |
| Positions - Civilian | 2,469 | 2,675 | 2,698 | 23 |
| FTE - Civilian | 1,976 | 2,158 | 2,235 | 77 |

Cybersecurity and Infrastructure Security Agency

Non Pay Budget Exhibits

Non Pay Summary

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|---|--------------------|--------------------|-------------------------------|-------------------------------------|
| Operations and Support | \$990,236 | \$1,208,535 | \$1,012,293 | (\$196,242) |
| Procurement, Construction, and Improvements | \$322,829 | \$434,962 | \$313,479 | (\$121,483) |
| Research and Development | \$13,126 | \$14,431 | \$6,431 | (\$8,000) |
| Total | \$1,326,191 | \$1,657,928 | \$1,332,203 | (\$325,725) |
| Discretionary - Appropriation | \$1,326,191 | \$1,657,928 | \$1,332,203 | (\$325,725) |

Non Pay by Object Class

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|----------------------------|----------------------------|---------------------------------------|--------------------------------------|
| 21.0 Travel and Transportation of Persons | \$16,315 | - | - | - |
| 22.0 Transportation of Things | \$652 | - | - | - |
| 23.1 Rental Payments to GSA | \$29,303 | - | \$1,694 | \$1,694 |
| 23.2 Rental Payments to Others | \$2,572 | - | \$2,739 | \$2,739 |
| 23.3 Communications, Utilities, and Misc. Charges | \$2,948 | - | - | - |
| 24.0 Printing and Reproduction | \$413 | - | \$5 | \$5 |
| 25.1 Advisory and Assistance Services | \$588,595 | \$1,390,384 | \$1,072,782 | (\$317,602) |
| 25.2 Other Services from Non-Federal Sources | \$11,952 | \$423 | \$423 | - |
| 25.3 Other Goods and Services from Federal Sources | \$466,253 | \$253,906 | \$246,637 | (\$7,269) |
| 25.4 Operation and Maintenance of Facilities | \$4,889 | - | \$912 | \$912 |
| 25.5 Research and Development Contracts | \$11,960 | \$13,215 | \$5,215 | (\$8,000) |
| 25.7 Operation and Maintenance of Equipment | \$78,067 | - | - | - |
| 26.0 Supplies and Materials | \$1,493 | - | - | - |
| 31.0 Equipment | \$79,225 | - | - | - |
| 32.0 Land and Structures | \$16,718 | - | - | - |
| 41.0 Grants, Subsidies, and Contributions | \$14,748 | - | - | - |
| 42.0 Insurance Claims and Indemnities | \$88 | - | - | - |
| 94.0 Financial Transfers | - | - | \$1,796 | \$1,796 |
| Total - Non Pay Object Classes | \$1,326,191 | \$1,657,928 | \$1,332,203 | (\$325,725) |

**Cybersecurity and Infrastructure Security Agency
Supplemental Budget Justification Exhibits**

Working Capital Fund

| Appropriation and PPA <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|---|----------------------------------|----------------------------------|---|
| Operations and Support | \$69,996 | \$77,743 | - |
| Mission Support | \$7,979 | \$8,541 | - |
| Cybersecurity | \$34,704 | \$36,551 | - |
| Infrastructure Security | \$14,252 | \$14,666 | - |
| Emergency Communications | \$6,207 | \$6,766 | - |
| Integrated Operations | \$6,854 | \$11,219 | - |
| Total Working Capital Fund | \$69,996 | \$77,743 | - |

Cybersecurity and Infrastructure Security Agency
Status of Congressionally Requested Studies, Reports and Evaluations

| Fiscal Year | Due Date | Reference/Citation | Requirement | Status |
|--------------------|-----------------|---|---|---------------|
| 2018 | 6/26/20 | Joint Explanatory Statement, Division F, HR2557 | FY 2018 Cybersecurity Information Sharing Pilot | Pending |
| 2019 | 6/26/20 | Senate Report 115-283, Title III, p. 82 | FY 2019 Cybersecurity Information Sharing Pilot | Pending |
| 2020 | 6/19/20 | Senate Report 116-125, Title III, p. 86 | FY 2020 Cybersecurity Information Sharing Pilot | Pending |
| 2020 | 6/19/20 | Joint Explanatory Statement, Division D, Title III, p. 20 | Federal Cybersecurity Modernization of CDM and NCPS | Pending |

Cybersecurity and Infrastructure Security Agency Authorized/Unauthorized Appropriations

| Budget Activity <i>Dollars in Thousands</i> | Last year of Authorization | Authorized Level | Appropriation in Last Year of Authorization | FY 2021 President's Budget |
|--|----------------------------|------------------|--|-------------------------------|
| | Fiscal Year | Amount | Amount | Amount |
| Operations and Support | N/A | N/A | N/A | \$1,437,888 |
| Mission Support | N/A | N/A | N/A | \$141,145 |
| Cybersecurity | N/A | N/A | N/A | \$801,675 |
| Infrastructure Security | N/A | N/A | N/A | \$88,107 |
| Emergency Communications | N/A | N/A | N/A | \$116,430 |
| Integrated Operations | N/A | N/A | N/A | \$166,693 |
| Risk Management | N/A | N/A | N/A | \$86,318 |
| Stakeholder Engage and Req. | N/A | N/A | N/A | \$37,520 |
| Procurement, Construction, and Improvements | N/A | N/A | N/A | \$313,479 |
| Cybersecurity A&I. | N/A | N/A | N/A | \$265,520 |
| Emergency Comm. A&I | N/A | N/A | N/A | \$41,158 |
| Infrastructure Security A&I | N/A | N/A | N/A | \$6,801 |
| Risk Management A&I | N/A | N/A | N/A | - |
| Research and Development | N/A | N/A | N/A | \$6,431 |
| Cybersecurity R&D | N/A | N/A | N/A | - |
| Infrastructure Security R&D | N/A | N/A | N/A | \$1,216 |
| Risk Management R&D | N/A | N/A | N/A | \$5,215 |
| Total Direct Authorization/Appropriation | N/A | N/A | N/A | \$1,757,798 |
| Fee Accounts | N/A | N/A | N/A | - |

The Cybersecurity and Infrastructure Security Agency Act of 2018 (P.L. 115-278) (Nov. 16, 2018) authorizing the creation of CISA did not specify funding levels for CISA.

Cybersecurity and Infrastructure Security Agency Proposed Legislative Language

Operation and Support

For necessary expenses of the Cybersecurity and Infrastructure Security Agency for operations and support, [\$1,566,229,000] *\$1,437,888,000*, of which \$9,055,000 shall remain available until September 30, [2021] 2022: *Provided*, That not to exceed \$3,825 shall be for official reception and representation expenses.

| Language Provision | Explanation |
|--|---------------------------------|
| ...[\$1,566,229,000] <i>\$1,437,888,000</i> | Dollar change only. |
| ...shall remain available until September 30, [2021] 2022; | Updated period of availability. |

Procurement, Construction, and Improvements

For necessary expenses of the Cybersecurity and Infrastructure Security Agency, for procurement, construction, and improvements, [\$434,962,000] *\$313,479,000* to remain available until September 30, [2022] 2023.

| Language Provision | Explanation |
|---|---------------------------------|
| ...[\$434,962,000] <i>\$313,479,000</i> | Dollar change only. |
| ...remain available until September 30, [2022] 2023 | Updated period of availability. |

Research and Development

For necessary expenses of the Cybersecurity and Infrastructure Security Agency for research and development [\$14,431,000] *\$6,431,000*, to remain available until September 30, [2021] 2022.

| Language Provision | Explanation |
|-----------------------------------|---------------------------------|
| [\$14,431,000] <i>\$6,431,000</i> | Dollar change only. |
| [2021] 2022 | Updated period of availability. |

Department of Homeland Security
Cybersecurity and Infrastructure Security Agency
Operations and Support



Fiscal Year 2021
Congressional Justification

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Operations and Support

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|---|--------------------|--------------|--------------------|--------------------|--------------|--------------------|-------------------------------|--------------|--------------------|-------------------------------------|-----------|--------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Mission Support | 423 | 333 | \$79,903 | 424 | 333 | \$84,677 | 643 | 517 | \$141,145 | 219 | 184 | \$56,468 |
| Cybersecurity | 792 | 599 | \$782,073 | 959 | 757 | \$947,266 | 863 | 709 | \$801,675 | (96) | (48) | (\$145,591) |
| Infrastructure Security | 706 | 577 | \$202,905 | 713 | 579 | \$223,412 | 176 | 159 | \$88,107 | (537) | (420) | (\$135,305) |
| Emergency Communications | 137 | 113 | \$118,069 | 137 | 113 | \$119,001 | 137 | 113 | \$116,430 | - | - | (\$2,571) |
| Integrated Operations | 411 | 354 | \$162,852 | 442 | 376 | \$191,873 | 603 | 514 | \$166,693 | 161 | 138 | (\$25,180) |
| Risk Management Operations | - | - | - | - | - | - | 168 | 141 | \$86,318 | 168 | 141 | \$86,318 |
| Stakeholder Engagement and Requirements | - | - | - | - | - | - | 108 | 82 | \$37,520 | 108 | 82 | \$37,520 |
| Total | 2,469 | 1,976 | \$1,345,802 | 2,675 | 2,158 | \$1,566,229 | 2,698 | 2,235 | \$1,437,888 | 23 | 77 | (\$128,341) |
| Subtotal Discretionary - Appropriation | 2,469 | 1,976 | \$1,345,802 | 2,675 | 2,158 | \$1,566,229 | 2,698 | 2,235 | \$1,437,888 | 23 | 77 | (\$128,341) |

*FTE reported in this table differ from MAX A-11 due to adjusted Prior Year (PY) totals and Current Year (CY) estimates reported at a later date than the MAX A-11 PY and CY lock dates.

The Cybersecurity and Infrastructure Security Agency (CISA) Operations and Support (O&S) appropriation funds the core operations of CISA to enhance the security and resilience of infrastructure against terrorist attacks, cyber events, natural disasters, and other large-scale incidents. Secure and resilient infrastructure is essential for national security, economic vitality, and public health and safety. CISA's programs bring to bear a range of specific capabilities that matrix together to provide a flexible platform to identify and pursue effective national risk mitigation.

The O&S appropriation supports the costs of necessary operations, mission support, and associated management and administration to execute CISA programs. In November 2018, Congress passed the Cybersecurity and Infrastructure Security Agency Act of 2018. The CISA Act of 2018 reorganized the existing DHS headquarters organization the National Protection and Programs Directorate (NPPD) into an operational component of the Department of Homeland Security focused on leading the national effort to understand and manage cyber and physical risk to our critical infrastructure, working with partners across all levels of government and in the private sector to defend the homeland against the threats of today and secure our democracy and the American way of life against the evolving risks of tomorrow. The FY 2021 President's Budget reorganizes the O&S appropriation in order to fully reflect this vision. Activities in the O&S appropriation are organized according to the following Programs, Projects, and Activities (PPAs):

Mission Support: The Mission Support program provides enterprise leadership, management, and business administrative services that sustain day-to-day management operations. Key capabilities include conducting agency planning and performance management, managing finances, managing

the agency workforce, providing physical and personnel security, acquiring goods and services, managing information technology, managing agency property and assets, providing legal affairs services, and providing general management and administration. These capabilities are critical to all CISA mission areas.

Cybersecurity: The Cybersecurity program supports CISA’s mission to defend and secure cyberspace. Through cyber defense operations, CISA works to ensure that cyber threats are unable to achieve their objectives on Federal networks and critical infrastructure. This includes detecting and analyzing threat activity, preventing threats through information sharing and technical means, and responding to incidents. CISA fulfills its responsibilities under the Federal Information Security Management Act (FISMA) to administer the cybersecurity of Federal agencies and ensure that Federal cybersecurity risk is managed at an acceptable level to agency missions and the Federal enterprise more broadly. This includes support to the risk management and governance efforts of the U.S. Office of Management and Budget (OMB), as well as building capacity at agencies by providing cybersecurity tools and services. CISA supports critical infrastructure, State, local, tribal, and territorial (SLTT) partners through engagement, planning, and capacity building services, which helps to ensure that cybersecurity risk is managed at a level acceptable for national security, public health and safety, and economic security. Finally, CISA strengthens the cyberspace ecosystem in the long-term to ensure that network defenders have an inherent advantage over attackers. This includes coordinating efforts and providing training for the Federal and national cybersecurity workforce, partnering with developers to secure networked technologies, and fostering long-term cybersecurity innovations.

Emergency Communications: The Emergency Communications program ensures public safety through the provision of the tools needed to communicate during steady state and emergency operations. The program develops and implements nationwide emergency communications policy and plans, including the National Emergency Communications Plan and 56 Statewide Communications Interoperability Plans. It additionally manages funding, sustainment, and grant programs to support communications interoperability – and builds capacity with Federal, State, local, tribal, and territorial (FSLTT) stakeholders by providing technical assistance, training, resources, and guidance. As directed by legislation, the Emergency Communications PPA supports nationwide sharing of best practices and lessons learned through facilitation of SAFECOM and Emergency Communications Preparedness Center governance bodies. Moreover, the Emergency Communications PPA provides priority telecommunications services over commercial networks to enable national security and emergency preparedness personnel to communicate during telecommunications congestion scenarios across the Nation.

Infrastructure Security: The Infrastructure Security program leads and coordinates national programs and policies on critical infrastructure security and resilience, and develops strong partnerships across government and the private sectors. The program conducts and facilitates vulnerability and consequence assessments to help critical infrastructure owners, operators, and SLTT partners understand and address risks to critical infrastructure. Additionally, it provides information on emerging threats and hazards and offers tools and training to partners to help them manage risks to critical infrastructure.

Integrated Operations: Integrated Operations ensures that CISA’s frontline, externally facing activities are coordinated, collaborative, and communicative across CISA to ensure seamless support and expedited response to critical needs. Additionally, Integrated Operations enhances mission effectiveness, information sharing, and situational awareness by unifying the conduct and reporting of operations through a single report channel that gives CISA leadership end-to-end operational visibility for physical, cyber, and communications activities. Additionally, Integrated Operations supports efforts to provide CISA-specific and incident-specific intelligence context and products to support all missions. Finally,

Integrated Operations conducts continuity planning and internal drills needed to track and improve the overall operational readiness throughout the enterprise.

Risk Management Operations: The Risk Management Operations program produces risk management strategies to strengthen critical infrastructure and address long-term risk to national critical functions. This program funds the National Risk Management Center (NRMC), a planning, analysis, and collaboration center focused on addressing the Nation’s highest priority critical infrastructure risks, originating from cyber attacks and other hazards. The NRMC also houses the National Infrastructure Simulation and Analysis Center (NISAC), which provides homeland security decision makers with timely, relevant, high-quality analysis of cyber and physical risks to critical infrastructure across all sectors, during steady-state and crisis action operations.

Stakeholder Engagement and Requirements: The Stakeholder Engagement & Requirements PPA funds efforts that foster collaboration, coordination, and a culture of shared responsibility for national critical infrastructure risk management and resilience with FSLTT and private sector partners within the United States, and with our international partners abroad. This program includes implementation and stewardship of the National Infrastructure Protection Plan (NIPP) voluntary partnership framework, management and oversight of national infrastructure leadership councils, advancement of national cybersecurity and infrastructure security workforce planning efforts, and implementation of programs and projects intended to facilitate effective coordination among the national critical infrastructure stakeholder community in furtherance of shared goals and objectives.

| O&S PPA Level 1 | O&S PPA Level II | O&S PPA Level III | FY 2021 FTP | FY 2021 FTE | FY 2021 Amount (Dollars in Thousands) |
|-----------------|-------------------------|--|-------------|-------------|--|
| Mission Support | Mission Support | Mission Support | 506 | 397 | \$103,725 |
| | | Strategy, Policy, & Plans | 57 | 46 | \$11,314 |
| | | External Affairs | 46 | 41 | \$7,371 |
| | | CTO | 15 | 15 | \$14,167 |
| | | Privacy | 16 | 15 | \$2,829 |
| | | National Services Support Facilities Management | 3 | 3 | \$1,739 |
| | | | | | |
| Cybersecurity | Cyber Operations | Strategy and Performance | 30 | 29 | \$3,434 |
| | | Threat Hunting | 162 | 144 | \$116,502 |
| | | Vulnerability Management | 215 | 152 | \$147,856 |
| | | Capacity Building | 118 | 86 | \$101,921 |
| | | Operational Planning & Coordination | 56 | 51 | \$37,784 |
| | | | | | |
| | Technology and Services | Cybersecurity Services | - | - | \$7,870 |
| | | Continuous Diagnostics and Mitigation | 106 | 96 | \$107,384 |
| | | National Cybersecurity Protection System | 176 | 151 | \$278,924 |

Cybersecurity and Infrastructure Security Agency
Operations and Support

| | | | | | |
|--|---|--|--------------------------|-------|-------------|
| Emergency Communications | Emergency Communications Preparedness | Strategy and Performance | - | - | - |
| | | Emergency Communications Preparedness | 107 | 87 | \$51,549 |
| | Priority Telecommunications Services | GETS/WPS/SRAS/TSP | 17 | 15 | \$56,362 |
| | | Next Generation Networks Priority Services | 13 | 11 | \$8,519 |
| | Infrastructure Security | Infrastructure Assessments and Security | Strategy and Performance | 16 | 12 |
| Security Programs | | | 23 | 20 | \$19,871 |
| CISA Exercises | | | 25 | 25 | \$12,122 |
| Assessments and Infrastructure Information | | | 90 | 81 | \$36,928 |
| Bombing Prevention | | | 22 | 21 | \$17,217 |
| Integrated Operations | Regional Operations | Coordination & Service Delivery | 59 | 53 | \$12,698 |
| | | Security Advisors | 386 | 311 | \$82,408 |
| | | Chemical Inspectors | - | - | \$0 |
| | Operations Coordination and Planning | Operations Center | 104 | 97 | \$58,663 |
| | | Intelligence | 25 | 25 | \$4,761 |
| | | Planning and Readiness | 16 | 15 | \$1,825 |
| | | Business Continuity and Emergency Preparedness | 13 | 13 | \$6,339 |
| Risk Management Operations | Risk Management Operations | National Infrastructure Simulation Analysis Center | - | - | \$9,054 |
| | | Infrastructure Analysis | 168 | 141 | \$77,263 |
| Stakeholder Engagement and Requirements | Stakeholder Engagement and Requirements | Sector Specific Agency Management | 34 | 31 | \$14,756 |
| | | Council Management | 22 | 19 | \$7,954 |
| | | Stakeholder Engagement | 41 | 21 | \$13,136 |
| | | International Affairs | 11 | 11 | \$1,674 |
| O&S Total (Dollars in Thousands) | | | 2,698 | 2,235 | \$1,437,888 |

Operations and Support

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|--------------------|--------------------|--------------------|
| Enacted/Request | \$1,345,802 | \$1,566,229 | \$1,437,888 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | \$787 | \$1,800 | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$1,346,589 | \$1,568,029 | \$1,437,888 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$1,346,589 | \$1,568,029 | \$1,437,888 |
| Obligations (Actual/Estimates/Projections) | \$1,346,589 | \$1,568,029 | \$1,437,888 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | 2,469 | 2,675 | 2,698 |
| Enacted/Request FTE | 1,976 | 2,158 | 2,235 |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | 2,430 | 2,675 | 2,698 |
| FTE (Actual/Estimates/Projections) | 1,939 | 2,158 | 2,235 |

Operations and Support

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|--------------|--------------|--------------------|
| FY 2019 Enacted | 2,469 | 1,976 | \$1,345,802 |
| FY 2020 Enacted | 2,675 | 2,158 | \$1,566,229 |
| FY 2021 Base Budget | 2,675 | 2,158 | \$1,566,229 |
| Realignment for OCC from C/CO/SP to MS/MS/MS | - | - | (\$3,464) |
| Realignment for OCC from EC/ECP/ECP to MS/MS/MS | - | - | (\$1,326) |
| Realignment for OCC from IO/RO/C&S to MS/MS/MS | - | - | (\$1,346) |
| Realignment for OCC from IS/IAS/SP to MS/MS/MS | - | - | (\$3,367) |
| Realignment for OCC from RMO/RMO/IA to MS/MS/MS | - | - | (\$1,474) |
| Realignment for OCC from SER/SER/SE to MS/MS/MS | - | - | (\$1,326) |
| Realignment for OCC from various | - | - | \$12,303 |
| Realignment for PPA to IO/RO/Chemical Inspectors from ISD/IP/ISC/ISC | 180 | 150 | \$25,436 |
| Realignment for PPA to IO/RO/Security Advisors from ISD/IP/ICB/PSA | 151 | 122 | \$35,521 |
| Realignment for PPA from C/CIR to C/CO | (6) | (3) | (\$11,490) |
| Realignment for PPA from C/CIR to IO/RO | (50) | (25) | (\$13,069) |
| Realignment for PPA from C/FC to C/CO | (12) | (6) | (\$25,431) |
| Realignment for PPA from C/FC to C/TS | - | - | (\$17,608) |
| Realignment for PPA from C/FC to MS/MS | - | - | (\$34) |
| Realignment for PPA from CSD/C/CIR/CA to CSD/CO/VM | - | - | (\$466) |
| Realignment for PPA from CSD/C/CIR/CA to IOD/IO/RO/Security Advisors | (30) | (23) | (\$6,364) |
| Realignment for PPA from CSD/C/CIR/CEA to CSD/C/CO/Capacity Building | (14) | (13) | (\$20,582) |
| Realignment for PPA from CSD/C/CIR/CEA to ISD/IS/IAS/CISA Exercises | (15) | (15) | (\$10,058) |
| Realignment for PPA from CSD/C/CIR/CEA to SED/SER/SER/Stakeholder Engage | (2) | (2) | (\$1,867) |
| Realignment for PPA from CSD/C/CIR/CTI to MBS/MS/MS/CTO | (13) | (13) | (\$9,485) |
| Realignment for PPA from CSD/C/CIR/ECS to CSD/C/CO/Capacity Building | (8) | (5) | (\$13,154) |
| Realignment for PPA from CSD/C/CO/Capacity Build | (1) | (1) | (\$1,065) |
| Realignment for PPA from CSD/C/FC/CDM to MBS/MS/MS/CTO | (2) | (2) | (\$546) |
| Realignment for PPA from CSD/FC/CDM to CSD/C/TS/CDM | (84) | (64) | (\$94,514) |
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Capacity Build | (57) | (40) | (\$31,553) |
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Oper Planning & Coord | (5) | (5) | (\$2,584) |
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Threat Hunting | (1) | (1) | (\$180) |

Cybersecurity and Infrastructure Security Agency
Operations and Support

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|------------------|------------|---------------|
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Vulnerability A | (31) | (24) | (\$21,623) |
| Realignment for PPA from CSD/FC/FNR to IOD/IO/RO/Coord & Service D | (1) | (1) | (\$211) |
| Realignment for PPA from CSD/FC/NCPS to CSD/C/TS/NCPS | (176) | (151) | (\$299,384) |
| Realignment for PPA from CSD/IO/SER/SER to CSD/C/CO/Vulnerability M | (4) | (4) | (\$602) |
| Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/Council Mgmt | (5) | (5) | (\$4,149) |
| Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/SSAM | (1) | (1) | (\$3,168) |
| Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/Stakeholder E | (29) | (12) | (\$8,412) |
| Realignment for PPA from CSD/IO/SPP/SPP to CSD/MS/MS/MS | (17) | (11) | (\$2,246) |
| Realignment for PPA from EC/ECP to EC/PTS | - | - | (\$24) |
| Realignment for PPA from IO/CISA to IO/RO | (15) | (8) | (\$2,821) |
| Realignment for PPA from IO/RMO to RMO/RMO | - | - | (\$47,702) |
| Realignment for PPA from IO/SER to MS/MS | - | - | (\$106) |
| Realignment for PPA from IO/SER to SER/SER | - | - | (\$335) |
| Realignment for PPA from IO/SPP to MS/MS | - | - | (\$300) |
| Realignment for PPA from IP/ICB to IO/OCF | - | - | (\$612) |
| Realignment for PPA from IP/ICB to IO/RO | (15) | (8) | (\$5,192) |
| Realignment for PPA from IP/ICB to IS/IAS | (21) | (11) | (\$14,356) |
| Realignment for PPA from IP/ICB to RMO/RMO | - | - | (\$1,088) |
| Realignment for PPA from IP/ISC to EC/PTS | - | - | (\$14) |
| Realignment for PPA from IP/ISC to IO/RO | - | - | (\$19,424) |
| Realignment for PPA from IP/ISC to MS/MS | - | - | (\$35) |
| Realignment for PPA from ISD/ICB/PSA to IOD/IO/RO/Coord & Service Delivery | - | - | (\$3,160) |
| Realignment for PPA from ISD/IO/CISA/CISA to IOD/OCF/BCEP | (13) | (11) | (\$2,854) |
| Realignment for PPA from ISD/IO/CISA/CISA to IOD/OCF/Ops Center | (47) | (40) | (\$21,060) |
| Realignment for PPA from ISD/IO/SER/VA to IOD/RO/Coord & Serv D | (1) | (1) | (\$124) |
| Realignment for PPA from ISD/IO/SER/VA to ISD/IS/IAS/Assess and II | (17) | (17) | (\$16,271) |
| Realignment for PPA from ISD/IO/SPP/SPP to ISD/MS/MS/SPP | (11) | (11) | (\$3,961) |
| Realignment for PPA from ISD/IP/ICB/BP to ISD/IS/IAS/Bombing Prev | (22) | (21) | (\$16,032) |
| Realignment for PPA from ISD/IP/ICB/IISDP to IOD/IO/RO/Coord & Serv D | (1) | (1) | (\$124) |
| Realignment for PPA from ISD/IP/ICB/IISDP to ISD/IP/ICB/Sector Risk Mgmt | (2) | (2) | (\$310) |
| Realignment for PPA from ISD/IP/ICB/IISDP to ISD/IS/IAS/Assessments & II | (57) | (48) | (\$16,806) |
| Realignment for PPA from ISD/IP/ICB/SRM to IOD/IO/RO/Coord & Service D | (34) | (31) | (\$8,104) |
| Realignment for PPA from ISD/IP/ICB/SRM to IOD/IO/RO/Security Advisors | (151) | (122) | (\$35,521) |

Cybersecurity and Infrastructure Security Agency

Operations and Support

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|------------|---------------|
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Assessments & II | (16) | (16) | (\$4,575) |
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/CISA Exer | (9) | (9) | (\$1,797) |
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Security Programs | (23) | (20) | (\$17,661) |
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Strat & Performance | (16) | (12) | (\$5,208) |
| Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/Council Mgmt | (17) | (14) | (\$2,516) |
| Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/SSAM | (33) | (30) | (\$11,260) |
| Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/Stakeholder E | (10) | (7) | (\$3,889) |
| Realignment for PPA from ISD/IP/ISC/ISC to IOD/RO/Chemical Inspectors | (180) | (150) | (\$25,436) |
| Realignment for PPA from ISD/IP/ISC/ISC to IOD/RO/Coor & Service D | (2) | (2) | (\$308) |
| Realignment for PPA from ISD/IP/ISC/ISC to ISD/IS/CS/Chemical Safety | (106) | (77) | (\$30,294) |
| Realignment for PPA from ISD/IS/CS/CS to IOD/RO/SA | - | - | (\$4,812) |
| Realignment for PPA from ISD/MS/MS/MS to IOD/RO/Coordination & Service | (10) | (7) | - |
| Realignment for PPA from NRMC/IO/RMO/IA to SED/SER/SER/Council Mgmt | - | - | (\$1,088) |
| Realignment for PPA from NRMC/IO/RMO/NISAC to NRMC/RMO/RMO/NISAC | - | - | (\$9,055) |
| Realignment for PPA from NRMC/IO/RMO/RMO/IA to IOD/IO/OCP/Intelligence | (25) | (25) | (\$4,497) |
| Realignment for PPA from NRMC/IO/RMO/RMO/IA to IOD/RO/Coord & Service D | (10) | (10) | (\$1,451) |
| Realignment for PPA from NRMC/IO/RMO/RMO/IA to NRMC/RMO/RMO/Infrast A | (148) | (131) | (\$46,108) |
| Realignment for PPA from OBIM/IO/SER to MGMT | (9) | (9) | - |
| Realignment for PPA from OOD/IO/SER/EA to MBS/MS/MS/External Affairs | (43) | (38) | (\$6,968) |
| Realignment for PPA from OOD/IO/SER/PRIV to MBS/MS/MS/Privacy | (11) | (11) | (\$2,376) |
| Realignment for PPA from OOD/IO/SPP/SPP to MBS/MS/MS/SPP | (25) | (20) | (\$4,662) |
| Realignment for PPA from OOD/IO/SPP/SPP to SED/SER/SER/Internat'l Affairs | (11) | (11) | (\$1,557) |
| Realignment for PPA to C/CO from C/CIR | 6 | 3 | \$11,490 |
| Realignment for PPA to C/CO from C/FC | 12 | 6 | \$25,431 |
| Realignment for PPA to C/TS from C/FC | - | - | \$17,608 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CIR/CEA | 14 | 13 | \$20,582 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CIR/ECS | 8 | 5 | \$13,154 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CRR/NCCIC Ops | 6 | 6 | \$664 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CRR/NCCIC P&E | 1 | 1 | \$5,877 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/FC/FNR | 57 | 40 | \$31,553 |
| Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/CRR/NCCIC Ops | 15 | 15 | \$12,797 |
| Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/CRR/NCCIC P&E | 36 | 21 | \$20,737 |
| Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/FC/FNR | 5 | 5 | \$2,584 |

Cybersecurity and Infrastructure Security Agency
Operations and Support

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|------------|---------------|
| Realignment for PPA to CSD/C/CO/Ops Planning & Coord from CSD/CRR/NCCIC P&E | (36) | (21) | (\$20,737) |
| Realignment for PPA to CSD/C/CO/Strategy & P from CSD/CRR/NCCIC P&E | (30) | (29) | (\$6,591) |
| Realignment for PPA to CSD/C/CO/Strategy and P from CSD/C/CRR/NCCIC P&E | 30 | 29 | \$6,591 |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/CRR/NCCIC P&E | (19) | (19) | (\$4,916) |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/CRR/NCCIC Ops | 134 | 114 | \$92,919 |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/CRR/NCCIC P&E | 27 | 27 | \$21,710 |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/FC/FNR | 1 | 1 | \$180 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC P&E | (56) | (34) | (\$41,990) |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC Ops | 27 | 22 | \$3,057 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC P&E | 56 | 34 | \$41,990 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/FC/FNR | 31 | 24 | \$21,623 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/IO/SER/SER | 4 | 4 | \$602 |
| Realignment for PPA to CSD/C/TS/CDM from CSD/C/FC/CDM | 84 | 64 | \$94,514 |
| Realignment for PPA to CSD/C/TS/Cybersecurity S from CSD/C/CRR/NCCIC Ops | - | - | \$4,849 |
| Realignment for PPA to CSD/C/TS/Cybersecurity S from CSD/C/CRR/NCCIC P&E | - | - | \$2,941 |
| Realignment for PPA to CSD/C/TS/Cybersecurity Svcs from CSD/CRR/NCCIC P&E | - | - | (\$2,941) |
| Realignment for PPA to CSD/CO/Capacity Bldg from CSD/CRR/NCCIC Ops | (6) | (6) | (\$664) |
| Realignment for PPA to CSD/CO/Ops Planning & Coord from CSD/CRR/NCCIC Ops | (15) | (15) | (\$12,797) |
| Realignment for PPA to CSD/CO/Threat Hunt from CSD/CRR/NCCIC Ops | (142) | (122) | (\$109,713) |
| Realignment for PPA to CSD/CO/Vulnerability M from CSD/CRR/NCCIC Ops | (27) | (22) | (\$3,057) |
| Realignment for PPA to CSD/TS/Cybersecurity Svcs from CSD/CRR/NCCIC Ops | - | - | (\$4,849) |
| Realignment for PPA to EC/PTS from EC/ECP | - | - | \$24 |
| Realignment for PPA to EC/PTS from IP/ISC | - | - | \$14 |
| Realignment for PPA to IO/OCP from IP/ICB | - | - | \$612 |
| Realignment for PPA to IO/RO from C/CIR | 50 | 25 | \$13,069 |
| Realignment for PPA to IO/RO from IO/CISA | 15 | 8 | \$2,821 |
| Realignment for PPA to IO/RO from IP/ICB | 15 | 8 | \$23,692 |
| Realignment for PPA to IO/RO from IP/ISC | - | - | \$924 |
| Realignment for PPA to IO/RO/Coord & Service D from CSD/C/FC/FNR | 1 | 1 | \$211 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IO/SER/VA | 1 | 1 | \$124 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/IISDP | 1 | 1 | \$124 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/PSA | - | - | \$3,888 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/SRM | 34 | 31 | \$4,216 |

Cybersecurity and Infrastructure Security Agency

Operations and Support

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|------------------|------------|---------------|
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ISC/ISC | 2 | 2 | \$308 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/MS/MS/MS | 10 | 7 | \$3,160 |
| Realignment for PPA to IO/RO/Coord & Service D from NRMC/IO/RMO/IA | 10 | 10 | \$1,451 |
| Realignment for PPA to IO/RO/Security Advisors from CSD/C/CIR/CSA | 30 | 23 | \$6,364 |
| Realignment for PPA to IOD/IO/OCP/BCEP from OOD/IO/CISA/CISA | 13 | 11 | \$2,854 |
| Realignment for PPA to IOD/IO/OCP/Intelligence from NRMC/IO/RMO/IA | 25 | 25 | \$4,497 |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/CRR/NCCIC Ops | (49) | (49) | (\$31,995) |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/C/CRR/NCCIC Ops | 23 | 23 | \$11,017 |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/C/CRR/NCCIC P&E | 3 | 3 | \$4,653 |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/CRR/NCCIC P&E | (3) | (3) | (\$4,653) |
| Realignment for PPA to IOD/IO/OCP/Ops Center from ISD/IO/CISA/CISA | 47 | 40 | \$21,060 |
| Realignment for PPA to IOD/IO/OCP/P&R from CSD/C/CRR/NCCIC P&E | 16 | 15 | \$1,666 |
| Realignment for PPA to IOD/IO/OCP/Planning & R from CSD/CRR/NCCIC P&E | (16) | (15) | (\$1,666) |
| Realignment for PPA to IOD/OCP/Ops Center from CSD/C/CRR/NCCIC Ops | 26 | 26 | \$20,978 |
| Realignment for PPA to IS/IAS from IP/ICB | 21 | 11 | \$14,356 |
| Realignment for PPA to ISD/IS/CS/Chem Security from ISD/IP/ISC/ISC | 106 | 77 | \$30,294 |
| Realignment for PPA to ISD/IS/IAS/Assess and II from ISD/IO/SER/VA | 17 | 17 | \$16,271 |
| Realignment for PPA to ISD/IS/IAS/Assess and II from ISD/IP/ICB/PSA | 16 | 16 | \$4,575 |
| Realignment for PPA to ISD/IS/IAS/Bombing Prevention from ISD/IP/ICB/BP | 22 | 21 | \$16,032 |
| Realignment for PPA to ISD/IS/IAS/CISA Ex from CSD/C/CIR/CEA | 15 | 15 | \$10,058 |
| Realignment for PPA to ISD/IS/IAS/CISA Ex from CSD/C/CRR/NCCIC PE | 1 | 1 | \$35 |
| Realignment for PPA to ISD/IS/IAS/CISA Exer from CSD/CRR/NCCIC P&E | (1) | (1) | (\$35) |
| Realignment for PPA to ISD/IS/IAS/CISA Exer from ISD/IP/ICB/SRM | 9 | 9 | \$1,797 |
| Realignment for PPA to ISD/IS/IAS/Security Programs from ISD/IP/ICB/SRM | 23 | 20 | \$17,661 |
| Realignment for PPA to ISD/IS/IAS/Strategy and Perform from ISD/IP/ICB/SRM | 16 | 12 | \$5,208 |
| Realignment for PPA to ISD/IS/ICB/IISDP from ISD/IP/ICB/SRM | 2 | 2 | \$310 |
| Realignment for PPA to ISD/MS/MS/SPP from ISD/IO/SPP/SPP | 11 | 11 | \$3,961 |
| Realignment for PPA to MBS/MS/MS/CTO from CSD/C/FC/CDM | 2 | 2 | \$546 |
| Realignment for PPA to MBS/MS/MS/CTO from C/CIR/CTI | 13 | 13 | \$9,485 |
| Realignment for PPA to MBS/MS/MS/External Affairs from OOD/IO/SER/EA | 43 | 38 | \$6,968 |
| Realignment for PPA to MBS/MS/MS/Nat'l Sup Svcs FM from CSD/CRR/NCCIC Ops | (3) | (3) | (\$1,707) |
| Realignment for PPA to MBS/MS/MS/Privacy from OOD/IO/SER/Privacy | 11 | 11 | \$2,376 |
| Realignment for PPA to MBS/MS/MS/SPP from OOD/IO/SPP/SPP | 25 | 20 | \$4,662 |

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Operations and Support

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|---|-------------|-------------|------------------|
| Realignment for PPA to MS/MS from C/FC | - | - | \$34 |
| Realignment for PPA to MS/MS from IO/SPP | - | - | \$300 |
| Realignment for PPA to MS/MS from IP/ISC | - | - | \$35 |
| Realignment for PPA to MS/MS from IO/SER | - | - | \$106 |
| Realignment for PPA to MS/MS from OS/OBIM/MS | 9 | 9 | - |
| Realignment for PPA to MS/MS/NSFM from CSD/CRR/NCCIC Ops | 3 | 3 | \$1,707 |
| Realignment for PPA to MS/SPP from CS/IO/SPP/SPP | 17 | 11 | \$2,246 |
| Realignment for PPA to NRM/RMO/RMO/Infrastructure A from NRM/IO/RMO/IA | 148 | 131 | \$46,108 |
| Realignment for PPA to NRM/RMO/RMO/NISAC from NRM/IO/RMO/NISAC | - | - | \$9,055 |
| Realignment for PPA to O&S/CSD/C/CO/Vulnerability M from O&S/CSD/CIR/CEA | - | - | \$466 |
| Realignment for PPA to O&S/CSD/C/TS/NCPS from O&S/CSD/C/FC/NCPS | 176 | 151 | \$299,384 |
| Realignment for PPA to O&S/ISD/IS/IAS/Assess and II from O&S/ISD/IP/ICB/IISDP | 57 | 48 | \$16,806 |
| Realignment for PPA to RMO/RMO from IO/RMO | - | - | \$47,702 |
| Realignment for PPA to RMO/RMO from IP/ICB | - | - | \$1,088 |
| Realignment for PPA to SED/SER/SER/Council Management from CSD/IO/SER/SER | 5 | 5 | \$4,149 |
| Realignment for PPA to SED/SER/SER/Council Management from ISD/IP/ICB/SRM | 17 | 14 | \$2,516 |
| Realignment for PPA to SED/SER/SER/Council Management from NRM/IO/RMO/IA | - | - | \$1,088 |
| Realignment for PPA to SED/SER/SER/IA from OOD/IO/SPP/SPP | 11 | 11 | \$1,557 |
| Realignment for PPA to SED/SER/SER/SSMA from CSD/IO/SER/SER | 1 | 1 | \$3,168 |
| Realignment for PPA to SED/SER/SER/SSMA from ISD/IP/ICB/SRM | 33 | 30 | \$11,260 |
| Realignment for PPA to SED/SER/SER/Stakeholder Engmt from CSD/C/CIR/CEA | 2 | 2 | \$1,867 |
| Realignment for PPA to SED/SER/SER/Stakeholder Engmt from CSD/IO/SER/SER | 29 | 12 | \$8,412 |
| Realignment for PPA to SED/SER/SER/Stakeholder Engmt from ISD/IP/ICB/SRM | 10 | 7 | \$3,889 |
| Realignment for PPA to SER/SER from IO/SER | - | - | \$335 |
| Transfer for Background Investigations from MGMT/OCSO to CISA/Mission Support | 5 | 5 | \$776 |
| Transfer for OBIM from CISA/MS to MGMT/OBIM | (18) | (18) | (\$2,929) |
| Total Transfers | (13) | (13) | (\$2,153) |
| 2020 Pay Raise | - | - | \$12,034 |
| 2021 Pay Raise | - | - | \$2,899 |
| Annualization of Federal Network Resilience .gov Governance | - | 2 | \$211 |
| Annualization of Federal Network Resilience High Value Assets | - | 2 | \$310 |
| Annualization of FY 2020 CDM FTE | - | 10 | \$1,045 |
| Annualization of FY 2020 Continuity Operations (COOP) Enhancement Hiring | - | 2 | \$315 |

Cybersecurity and Infrastructure Security Agency

Operations and Support

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|--|--------------|--------------|--------------------|
| Annualization of FY 2020 Cyber Sentry | - | 2 | \$284 |
| Annualization of FY 2020 Support to State and Local Governments | - | 10 | \$1,299 |
| Annualization of Support of Bomb Making Materials Awareness Program (BMAP) | - | - | \$963 |
| Enhanced Cybersecurity Services (ECS) FY 2021 Personnel Adjustment | 2 | 2 | - |
| FERS Agency Contribution | - | - | \$3,358 |
| HIRT and NCATS FY 2021 Personnel Adjustment | 38 | 38 | - |
| National Coordination Center (NCC) FY 2021 Personnel Adjustment | 5 | 5 | - |
| Next Generation Networks Priority Services (NGN-PS) | - | - | \$9 |
| Office of the Chief Counsel (OCC) from O&S/MS to O&S/MS | 57 | 57 | - |
| Priority Telecommunication Services (PTS) | - | - | \$12 |
| Total, Pricing Increases | 102 | 130 | \$22,739 |
| Decrement in Operations Coordination and Watch | - | - | (\$17) |
| Efficiencies | - | - | (\$9,419) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$198) |
| Operation Efficiency of Operations Support for NRMC costs | - | - | (\$251) |
| Software Assurance | - | - | (\$1,700) |
| Total, Pricing Decreases | - | - | (\$11,585) |
| Total Adjustments-to-Base | 89 | 117 | \$9,001 |
| FY 2021 Current Services | 2,764 | 2,275 | \$1,575,230 |
| Additional Protective Security Advisor Hires | 158 | 143 | \$21,603 |
| Awards Spending Increase | - | - | \$3,866 |
| CISA Application Cloud | - | - | \$4,000 |
| Continuity, Regionalization, and Devolution Out of Area | - | - | \$3,053 |
| Cyber Sentry | - | - | \$4,000 |
| Financial System Modernization | 1 | 1 | \$821 |
| G-Invoicing Solution | - | - | \$250 |
| Privacy Office Advisors | 3 | 2 | \$336 |
| Standing Up CISA Management Structure | 47 | 26 | \$6,082 |
| Vulnerability Management | 29 | 15 | \$20,806 |
| Total, Program Increases | 238 | 187 | \$64,817 |
| CFATS | (288) | (229) | (\$68,119) |
| CISA Gateway O&S | - | - | (\$1,590) |
| CISA Regional Operations | (15) | (8) | (\$1,600) |

Cybersecurity and Infrastructure Security Agency

Operations and Support

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|--------------|--------------------|
| Continuous Diagnostics and Mitigation (CDM) | 22 | 22 | (\$5,441) |
| Cyber Engagement Programs | (1) | - | (\$2,550) |
| Cyber Security Advisors | (16) | (8) | (\$4,971) |
| Cybersecurity Services for Critical Infrastructure Sectors | - | - | (\$3,000) |
| First Responder Emergency Medical Comms | - | - | (\$2,000) |
| Industrial Control Systems | - | - | (\$11,400) |
| Infrastructure Security Personnel | - | - | (\$2,325) |
| NCPS O&S | - | - | (\$22,019) |
| NISAC | - | - | (\$9,738) |
| NRMC | 20 | 10 | (\$5,285) |
| OBP Train the Trainer | - | - | (\$6,567) |
| Regional Personnel | (15) | (8) | (\$1,850) |
| School Safety/Soft Target | (6) | (3) | (\$3,000) |
| Shared Cybersecurity Services Marketplace | 14 | 7 | (\$4,050) |
| SLTT Cyber Information Sharing Pilot | - | - | (\$3,000) |
| Support to State and Local Governments | - | - | (\$9,654) |
| Threat Analysis and Response | (19) | (10) | (\$34,000) |
| Total, Program Decreases | (304) | (227) | (\$202,159) |
| FY 2021 Request | 2,698 | 2,235 | \$1,437,888 |
| FY 2020 To FY 2021 Change | 23 | 77 | (\$128,341) |

Operations and Support Justification of Transfers

| Transfers <i>(Dollars in Thousands)</i> | FY 2021 President's Budget | | |
|--|----------------------------|-------------|-------------------|
| | Positions | FTE | Amount |
| Transfer 1 - Realignment for OCC from C/CO/SP to MS/MS/MS | - | - | (\$3,464) |
| Cybersecurity | - | - | (\$3,464) |
| Cyber Operations | - | - | (\$3,464) |
| Transfer 2 - Realignment for OCC from EC/ECP/ECP to MS/MS/MS | - | - | (\$1,326) |
| Emergency Communications | - | - | (\$1,326) |
| Emergency Communications Preparedness | - | - | (\$1,326) |
| Transfer 3 - Realignment for OCC from IO/RO/C&S to MS/MS/MS | - | - | (\$1,346) |
| Integrated Operations | - | - | (\$1,346) |
| Regional Operations | - | - | (\$1,346) |
| Transfer 4 - Realignment for OCC from IS/IAS/SP to MS/MS/MS | - | - | (\$3,367) |
| Infrastructure Security | - | - | (\$3,367) |
| Infrastructure Assessments and Security | - | - | (\$3,367) |
| Transfer 5 - Realignment for OCC from RMO/RMO/IA to MS/MS/MS | - | - | (\$1,474) |
| Risk Management Operations | - | - | (\$1,474) |
| Risk Management Operations | - | - | (\$1,474) |
| Transfer 6 - Realignment for OCC from SER/SER/SE to MS/MS/MS | - | - | (\$1,326) |
| Stakeholder Engagement and Requirements | - | - | (\$1,326) |
| Stakeholder Engagement and Requirements | - | - | (\$1,326) |
| Transfer 7 - Realignment for OCC from various | - | - | \$12,303 |
| Mission Support | - | - | \$12,303 |
| Transfer 8 - Realignment for PPA to IO/RO/Chemical Inspectors from ISD/IP/ISC/ISC | 180 | 150 | \$25,436 |
| Integrated Operations | 180 | 150 | \$25,436 |
| Regional Operations | 180 | 150 | \$25,436 |
| Transfer 9 - Realignment for PPA to IO/RO/Security Advisors from ISD/IP/ICB/PSA | 151 | 122 | \$35,521 |
| Integrated Operations | 151 | 122 | \$35,521 |
| Regional Operations | 151 | 122 | \$35,521 |
| Transfer 10 - Realignment for PPA from C/CIR to C/CO | (6) | (3) | (\$11,490) |
| Cybersecurity | (6) | (3) | (\$11,490) |
| Cyber Infrastructure Resilience | (6) | (3) | (\$11,490) |
| Transfer 11 - Realignment for PPA from C/CIR to IO/RO | (50) | (25) | (\$13,069) |

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Operations and Support

| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|-------------|-------------------|
| | Positions | FTE | Amount |
| Cybersecurity | (50) | (25) | (\$13,069) |
| Cyber Infrastructure Resilience | (50) | (25) | (\$13,069) |
| Transfer 12 - Realignment for PPA from C/FC to C/CO | (12) | (6) | (\$25,431) |
| Cybersecurity | (12) | (6) | (\$25,431) |
| Federal Cybersecurity | (12) | (6) | (\$25,431) |
| Transfer 13 - Realignment for PPA from C/FC to C/TS | - | - | (\$17,608) |
| Cybersecurity | - | - | (\$17,608) |
| Federal Cybersecurity | - | - | (\$17,608) |
| Transfer 14 - Realignment for PPA from C/FC to MS/MS | - | - | (\$34) |
| Cybersecurity | - | - | (\$34) |
| Federal Cybersecurity | - | - | (\$34) |
| Transfer 15 - Realignment for PPA from CSD/C/CIR/CA to CSD/CO/VM | - | - | (\$466) |
| Cybersecurity | - | - | (\$466) |
| Cyber Infrastructure Resilience | - | - | (\$466) |
| Transfer 16 - Realignment for PPA from CSD/C/CIR/CA to IOD/IO/RO/Security Advisors | (30) | (23) | (\$6,364) |
| Cybersecurity | (30) | (23) | (\$6,364) |
| Cyber Infrastructure Resilience | (30) | (23) | (\$6,364) |
| Transfer 17 - Realignment for PPA from CSD/C/CIR/CEA to CSD/C/CO/Capacity Building | (14) | (13) | (\$20,582) |
| Cybersecurity | (14) | (13) | (\$20,582) |
| Cyber Infrastructure Resilience | (14) | (13) | (\$20,582) |
| Transfer 18 - Realignment for PPA from CSD/C/CIR/CEA to ISD/IS/IAS/CISA Exercises | (15) | (15) | (\$10,058) |
| Cybersecurity | (15) | (15) | (\$10,058) |
| Cyber Infrastructure Resilience | (15) | (15) | (\$10,058) |
| Transfer 19 - Realignment for PPA from CSD/C/CIR/CEA to SED/SER/SER/Stakeholder Engage | (2) | (2) | (\$1,867) |
| Cybersecurity | (2) | (2) | (\$1,867) |
| Cyber Infrastructure Resilience | (2) | (2) | (\$1,867) |
| Transfer 20 - Realignment for PPA from CSD/C/CIR/CTI to MBS/MS/MS/CTO | (13) | (13) | (\$9,485) |
| Cybersecurity | (13) | (13) | (\$9,485) |
| Cyber Infrastructure Resilience | (13) | (13) | (\$9,485) |
| Transfer 21 - Realignment for PPA from CSD/C/CIR/ECS to CSD/C/CO/Capacity Building | (8) | (5) | (\$13,154) |
| Cybersecurity | (8) | (5) | (\$13,154) |
| Cyber Infrastructure Resilience | (8) | (5) | (\$13,154) |
| Transfer 22 - Realignment for PPA from CSD/C/CO/Capacity Build | (1) | (1) | (\$1,065) |

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Operations and Support

| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|--------------|--------------------|
| | Positions | FTE | Amount |
| Cybersecurity | (1) | (1) | (\$1,065) |
| Cyber Operations | (1) | (1) | (\$1,065) |
| Transfer 23 - Realignment for PPA from CSD/C/FC/CDM to MBS/MS/MS/CTO | (2) | (2) | (\$546) |
| Cybersecurity | (2) | (2) | (\$546) |
| Federal Cybersecurity | (2) | (2) | (\$546) |
| Transfer 24 - Realignment for PPA from CSD/FC/CDM to CSD/C/TS/CDM | (84) | (64) | (\$94,514) |
| Cybersecurity | (84) | (64) | (\$94,514) |
| Federal Cybersecurity | (84) | (64) | (\$94,514) |
| Transfer 25 - Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Capacity Build | (57) | (40) | (\$31,553) |
| Cybersecurity | (57) | (40) | (\$31,553) |
| Federal Cybersecurity | (57) | (40) | (\$31,553) |
| Transfer 26 - Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Oper Planning & Coord | (5) | (5) | (\$2,584) |
| Cybersecurity | (5) | (5) | (\$2,584) |
| Federal Cybersecurity | (5) | (5) | (\$2,584) |
| Transfer 27 - Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Threat Hunting | (1) | (1) | (\$180) |
| Cybersecurity | (1) | (1) | (\$180) |
| Federal Cybersecurity | (1) | (1) | (\$180) |
| Transfer 28 - Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Vulnerability A | (31) | (24) | (\$21,623) |
| Cybersecurity | (31) | (24) | (\$21,623) |
| Federal Cybersecurity | (31) | (24) | (\$21,623) |
| Transfer 29 - Realignment for PPA from CSD/FC/FNR to IOD/IO/RO/Coord & Service D | (1) | (1) | (\$211) |
| Cybersecurity | (1) | (1) | (\$211) |
| Federal Cybersecurity | (1) | (1) | (\$211) |
| Transfer 30 - Realignment for PPA from CSD/FC/NCPS to CSD/C/TS/NCPS | (176) | (151) | (\$299,384) |
| Cybersecurity | (176) | (151) | (\$299,384) |
| Federal Cybersecurity | (176) | (151) | (\$299,384) |
| Transfer 31 - Realignment for PPA from CSD/IO/SER/SER to CSD/C/CO/Vulnerability M | (4) | (4) | (\$602) |
| Integrated Operations | (4) | (4) | (\$602) |
| Stakeholder Engagement and Requirements | (4) | (4) | (\$602) |
| Transfer 32 - Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/Council Mgmt | (5) | (5) | (\$4,149) |
| Integrated Operations | (5) | (5) | (\$4,149) |
| Stakeholder Engagement and Requirements | (5) | (5) | (\$4,149) |
| Transfer 33 - Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/SSAM | (1) | (1) | (\$3,168) |

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| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|-------------|-------------------|
| | Positions | FTE | Amount |
| Integrated Operations | (1) | (1) | (\$3,168) |
| Stakeholder Engagement and Requirements | (1) | (1) | (\$3,168) |
| Transfer 34 - Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/Stakeholder E | (29) | (12) | (\$8,412) |
| Integrated Operations | (29) | (12) | (\$8,412) |
| Stakeholder Engagement and Requirements | (29) | (12) | (\$8,412) |
| Transfer 35 - Realignment for PPA from CSD/IO/SPP/SPP to CSD/MS/MS/MS | (17) | (11) | (\$2,246) |
| Integrated Operations | (17) | (11) | (\$2,246) |
| Strategy, Policy, and Plans | (17) | (11) | (\$2,246) |
| Transfer 36 - Realignment for PPA from EC/ECP to EC/PTS | - | - | (\$24) |
| Emergency Communications | - | - | (\$24) |
| Emergency Communications Preparedness | - | - | (\$24) |
| Transfer 37 - Realignment for PPA from IO/CISA to IO/RO | (15) | (8) | (\$2,821) |
| Integrated Operations | (15) | (8) | (\$2,821) |
| Critical Infrastructure Situational Awareness | (15) | (8) | (\$2,821) |
| Transfer 38 - Realignment for PPA from IO/RMO to RMO/RMO | - | - | (\$47,702) |
| Integrated Operations | - | - | (\$47,702) |
| Risk Management Operations | - | - | (\$47,702) |
| Transfer 39 - Realignment for PPA from IO/SER to MS/MS | - | - | (\$106) |
| Integrated Operations | - | - | (\$106) |
| Stakeholder Engagement and Requirements | - | - | (\$106) |
| Transfer 40 - Realignment for PPA from IO/SER to SER/SER | - | - | (\$335) |
| Integrated Operations | - | - | (\$335) |
| Stakeholder Engagement and Requirements | - | - | (\$335) |
| Transfer 41 - Realignment for PPA from IO/SPP to MS/MS | - | - | (\$300) |
| Integrated Operations | - | - | (\$300) |
| Strategy, Policy, and Plans | - | - | (\$300) |
| Transfer 42 - Realignment for PPA from IP/ICB to IO/OCP | - | - | (\$612) |
| Infrastructure Security | - | - | (\$612) |
| Infrastructure Capacity Building | - | - | (\$612) |
| Transfer 43 - Realignment for PPA from IP/ICB to IO/RO | (15) | (8) | (\$5,192) |
| Infrastructure Security | (15) | (8) | (\$5,192) |
| Infrastructure Capacity Building | (15) | (8) | (\$5,192) |
| Transfer 44 - Realignment for PPA from IP/ICB to IS/IAS | (21) | (11) | (\$14,356) |

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Operations and Support

| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|------|-------------------|
| | Positions | FTE | Amount |
| Infrastructure Security | (21) | (11) | (\$14,356) |
| Infrastructure Capacity Building | (21) | (11) | (\$14,356) |
| Transfer 45 - Realignment for PPA from IP/ICB to RMO/RMO | - | - | (\$1,088) |
| Infrastructure Security | - | - | (\$1,088) |
| Infrastructure Capacity Building | - | - | (\$1,088) |
| Transfer 46 - Realignment for PPA from IP/ISC to EC/PTS | - | - | (\$14) |
| Infrastructure Security | - | - | (\$14) |
| Infrastructure Security Compliance | - | - | (\$14) |
| Transfer 47 - Realignment for PPA from IP/ISC to IO/RO | - | - | (\$19,424) |
| Infrastructure Security | - | - | (\$19,424) |
| Infrastructure Security Compliance | - | - | (\$19,424) |
| Transfer 48 - Realignment for PPA from IP/ISC to MS/MS | - | - | (\$35) |
| Infrastructure Security | - | - | (\$35) |
| Infrastructure Security Compliance | - | - | (\$35) |
| Transfer 49 - Realignment for PPA from ISD/ICB/PSA to IOD/IO/RO/Coord & Service Delivery | - | - | (\$3,160) |
| Infrastructure Security | - | - | (\$3,160) |
| Infrastructure Capacity Building | - | - | (\$3,160) |
| Transfer 50 - Realignment for PPA from ISD/IO/CISA/CISA to IOD/OCP/BCEP | (13) | (11) | (\$2,854) |
| Integrated Operations | (13) | (11) | (\$2,854) |
| Critical Infrastructure Situational Awareness | (13) | (11) | (\$2,854) |
| Transfer 51 - Realignment for PPA from ISD/IO/CISA/CISA to IOD/OCP/Ops Center | (47) | (40) | (\$21,060) |
| Integrated Operations | (47) | (40) | (\$21,060) |
| Critical Infrastructure Situational Awareness | (47) | (40) | (\$21,060) |
| Transfer 52 - Realignment for PPA from ISD/IO/SER/VA to IOD/RO/Coord & Serv D | (1) | (1) | (\$124) |
| Integrated Operations | (1) | (1) | (\$124) |
| Stakeholder Engagement and Requirements | (1) | (1) | (\$124) |
| Transfer 53 - Realignment for PPA from ISD/IO/SER/VA to ISD/IS/IAS/Assess and II | (17) | (17) | (\$16,271) |
| Integrated Operations | (17) | (17) | (\$16,271) |
| Stakeholder Engagement and Requirements | (17) | (17) | (\$16,271) |
| Transfer 54 - Realignment for PPA from ISD/IO/SPP/SPP to ISD/MS/MS/SPP | (11) | (11) | (\$3,961) |
| Integrated Operations | (11) | (11) | (\$3,961) |
| Strategy, Policy, and Plans | (11) | (11) | (\$3,961) |
| Transfer 55 - Realignment for PPA from ISD/IP/ICB/BP to ISD/IS/IAS/Bombing Prev | (22) | (21) | (\$16,032) |

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Operations and Support

| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|--------------|-------------------|
| | Positions | FTE | Amount |
| Infrastructure Security | (22) | (21) | (\$16,032) |
| Infrastructure Capacity Building | (22) | (21) | (\$16,032) |
| Transfer 56 - Realignment for PPA from ISD/IP/ICB/IISDP to IOD/IO/RO/Coord & Serv D | (1) | (1) | (\$124) |
| Infrastructure Security | (1) | (1) | (\$124) |
| Infrastructure Capacity Building | (1) | (1) | (\$124) |
| Transfer 57 - Realignment for PPA from ISD/IP/ICB/IISDP to ISD/IP/ICB/Sector Risk Mgmt | (2) | (2) | (\$310) |
| Infrastructure Security | (2) | (2) | (\$310) |
| Infrastructure Capacity Building | (2) | (2) | (\$310) |
| Transfer 58 - Realignment for PPA from ISD/IP/ICB/IISDP to ISD/IS/IAS/Assessments & II | (57) | (48) | (\$16,806) |
| Infrastructure Security | (57) | (48) | (\$16,806) |
| Infrastructure Capacity Building | (57) | (48) | (\$16,806) |
| Transfer 59 - Realignment for PPA from ISD/IP/ICB/SRM to IOD/IO/RO/Coord & Service D | (34) | (31) | (\$8,104) |
| Infrastructure Security | (34) | (31) | (\$8,104) |
| Infrastructure Capacity Building | (34) | (31) | (\$8,104) |
| Transfer 60 - Realignment for PPA from ISD/IP/ICB/SRM to IOD/IO/RO/Security Advisors | (151) | (122) | (\$35,521) |
| Infrastructure Security | (151) | (122) | (\$35,521) |
| Infrastructure Capacity Building | (151) | (122) | (\$35,521) |
| Transfer 61 - Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Assessments & II | (16) | (16) | (\$4,575) |
| Infrastructure Security | (16) | (16) | (\$4,575) |
| Infrastructure Capacity Building | (16) | (16) | (\$4,575) |
| Transfer 62 - Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/CISA Exer | (9) | (9) | (\$1,797) |
| Infrastructure Security | (9) | (9) | (\$1,797) |
| Infrastructure Capacity Building | (9) | (9) | (\$1,797) |
| Transfer 63 - Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Security Programs | (23) | (20) | (\$17,661) |
| Infrastructure Security | (23) | (20) | (\$17,661) |
| Infrastructure Capacity Building | (23) | (20) | (\$17,661) |
| Transfer 64 - Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Strat & Performance | (16) | (12) | (\$5,208) |
| Infrastructure Security | (16) | (12) | (\$5,208) |
| Infrastructure Capacity Building | (16) | (12) | (\$5,208) |
| Transfer 65 - Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/Council Mgmt | (17) | (14) | (\$2,516) |
| Infrastructure Security | (17) | (14) | (\$2,516) |
| Infrastructure Capacity Building | (17) | (14) | (\$2,516) |
| Transfer 66 - Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/SSAM | (33) | (30) | (\$11,260) |

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| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|--------------|-------------------|
| | Positions | FTE | Amount |
| Infrastructure Security | (33) | (30) | (\$11,260) |
| Infrastructure Capacity Building | (33) | (30) | (\$11,260) |
| Transfer 67 - Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/Stakeholder E | (10) | (7) | (\$3,889) |
| Infrastructure Security | (10) | (7) | (\$3,889) |
| Infrastructure Capacity Building | (10) | (7) | (\$3,889) |
| Transfer 68 - Realignment for PPA from ISD/IP/ISC/ISC to IOD/RO/Chemical Inspectors | (180) | (150) | (\$25,436) |
| Infrastructure Security | (180) | (150) | (\$25,436) |
| Infrastructure Security Compliance | (180) | (150) | (\$25,436) |
| Transfer 69 - Realignment for PPA from ISD/IP/ISC/ISC to IOD/RO/Coor & Service D | (2) | (2) | (\$308) |
| Infrastructure Security | (2) | (2) | (\$308) |
| Infrastructure Security Compliance | (2) | (2) | (\$308) |
| Transfer 70 - Realignment for PPA from ISD/IP/ISC/ISC to ISD/IS/CS/Chemical Safety | (106) | (77) | (\$30,294) |
| Infrastructure Security | (106) | (77) | (\$30,294) |
| Infrastructure Security Compliance | (106) | (77) | (\$30,294) |
| Transfer 71 - Realignment for PPA from ISD/IS/CS/CS to IOD/RO/SA | - | - | (\$4,812) |
| Infrastructure Security | - | - | (\$4,812) |
| Chemical Security | - | - | (\$4,812) |
| Transfer 72 - Realignment for PPA from ISD/MS/MS/MS to IOD/RO/Coordination & Service | (10) | (7) | - |
| Mission Support | (10) | (7) | - |
| Transfer 73 - Realignment for PPA from NRMC/IO/RMO/IA to SED/SER/SER/Council Mgmt | - | - | (\$1,088) |
| Integrated Operations | - | - | (\$1,088) |
| Risk Management Operations | - | - | (\$1,088) |
| Transfer 74 - Realignment for PPA from NRMC/IO/RMO/NISAC to NRMC/RMO/RMO/NISAC | - | - | (\$9,055) |
| Integrated Operations | - | - | (\$9,055) |
| Risk Management Operations | - | - | (\$9,055) |
| Transfer 75 - Realignment for PPA from NRMC/IO/RMO/RMO/IA to IOD/IO/OCP/Intelligence | (25) | (25) | (\$4,497) |
| Integrated Operations | (25) | (25) | (\$4,497) |
| Risk Management Operations | (25) | (25) | (\$4,497) |
| Transfer 76 - Realignment for PPA from NRMC/IO/RMO/RMO/IA to IOD/RO/Coord & Service D | (10) | (10) | (\$1,451) |
| Integrated Operations | (10) | (10) | (\$1,451) |
| Risk Management Operations | (10) | (10) | (\$1,451) |
| Transfer 77 - Realignment for PPA from NRMC/IO/RMO/RMO/IA to NRMC/RMO/RMO/Infrast A | (148) | (131) | (\$46,108) |
| Integrated Operations | (148) | (131) | (\$46,108) |

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| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|-------------|------------------|
| | Positions | FTE | Amount |
| Risk Management Operations | (148) | (131) | (\$46,108) |
| Transfer 78 - Realignment for PPA from OBIM/IO/SER to MGMT | (9) | (9) | - |
| Integrated Operations | (9) | (9) | - |
| Stakeholder Engagement and Requirements | (5) | (5) | - |
| Strategy, Policy, and Plans | (4) | (4) | - |
| Transfer 79 - Realignment for PPA from OOD/IO/SER/EA to MBS/MS/MS/External Affairs | (43) | (38) | (\$6,968) |
| Integrated Operations | (43) | (38) | (\$6,968) |
| Stakeholder Engagement and Requirements | (43) | (38) | (\$6,968) |
| Transfer 80 - Realignment for PPA from OOD/IO/SER/PRIV to MBS/MS/MS/Privacy | (11) | (11) | (\$2,376) |
| Integrated Operations | (11) | (11) | (\$2,376) |
| Stakeholder Engagement and Requirements | (11) | (11) | (\$2,376) |
| Transfer 81 - Realignment for PPA from OOD/IO/SPP/SPP to MBS/MS/MS/SPP | (25) | (20) | (\$4,662) |
| Integrated Operations | (25) | (20) | (\$4,662) |
| Strategy, Policy, and Plans | (25) | (20) | (\$4,662) |
| Transfer 82 - Realignment for PPA from OOD/IO/SPP/SPP to SED/SER/SER/Internat'l Affairs | (11) | (11) | (\$1,557) |
| Integrated Operations | (11) | (11) | (\$1,557) |
| Strategy, Policy, and Plans | (11) | (11) | (\$1,557) |
| Transfer 83 - Realignment for PPA to C/CO from C/CIR | 6 | 3 | \$11,490 |
| Cybersecurity | 6 | 3 | \$11,490 |
| Cyber Operations | 6 | 3 | \$11,490 |
| Transfer 84 - Realignment for PPA to C/CO from C/FC | 12 | 6 | \$25,431 |
| Cybersecurity | 12 | 6 | \$25,431 |
| Cyber Operations | 12 | 6 | \$25,431 |
| Transfer 85 - Realignment for PPA to C/TS from C/FC | - | - | \$17,608 |
| Cybersecurity | - | - | \$17,608 |
| Technology and Services | - | - | \$17,608 |
| Transfer 86 - Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CIR/CEA | 14 | 13 | \$20,582 |
| Cybersecurity | 14 | 13 | \$20,582 |
| Cyber Operations | 14 | 13 | \$20,582 |
| Transfer 87 - Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CIR/ECS | 8 | 5 | \$13,154 |
| Cybersecurity | 8 | 5 | \$13,154 |
| Cyber Operations | 8 | 5 | \$13,154 |
| Transfer 88 - Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CRR/NCCIC Ops | 6 | 6 | \$664 |

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| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|-------------|-------------------|
| | Positions | FTE | Amount |
| Cybersecurity | 6 | 6 | \$664 |
| Cyber Operations | 6 | 6 | \$664 |
| Transfer 89 - Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CRR/NCCIC P&E | 1 | 1 | \$5,877 |
| Cybersecurity | 1 | 1 | \$5,877 |
| Cyber Operations | 1 | 1 | \$5,877 |
| Transfer 90 - Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/FC/FNR | 57 | 40 | \$31,553 |
| Cybersecurity | 57 | 40 | \$31,553 |
| Cyber Operations | 57 | 40 | \$31,553 |
| Transfer 91 - Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/CRR/NCCIC Ops | 15 | 15 | \$12,797 |
| Cybersecurity | 15 | 15 | \$12,797 |
| Cyber Operations | 15 | 15 | \$12,797 |
| Transfer 92 - Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/CRR/NCCIC P&E | 36 | 21 | \$20,737 |
| Cybersecurity | 36 | 21 | \$20,737 |
| Cyber Operations | 36 | 21 | \$20,737 |
| Transfer 93 - Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/FC/FNR | 5 | 5 | \$2,584 |
| Cybersecurity | 5 | 5 | \$2,584 |
| Cyber Operations | 5 | 5 | \$2,584 |
| Transfer 94 - Realignment for PPA to CSD/C/CO/Ops Planning & Coord from CSD/CRR/NCCIC P&E | (36) | (21) | (\$20,737) |
| Cybersecurity | (36) | (21) | (\$20,737) |
| Cyber Readiness and Response | (36) | (21) | (\$20,737) |
| Transfer 95 - Realignment for PPA to CSD/C/CO/Strategy & P from CSD/CRR/NCCIC P&E | (30) | (29) | (\$6,591) |
| Cybersecurity | (30) | (29) | (\$6,591) |
| Cyber Readiness and Response | (30) | (29) | (\$6,591) |
| Transfer 96 - Realignment for PPA to CSD/C/CO/Strategy and P from CSD/C/CRR/NCCIC P&E | 30 | 29 | \$6,591 |
| Cybersecurity | 30 | 29 | \$6,591 |
| Cyber Operations | 30 | 29 | \$6,591 |
| Transfer 97 - Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/CRR/NCCIC P&E | (19) | (19) | (\$4,916) |
| Cybersecurity | (19) | (19) | (\$4,916) |
| Cyber Readiness and Response | (19) | (19) | (\$4,916) |
| Transfer 98 - Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/CRR/NCCIC Ops | 134 | 114 | \$92,919 |
| Cybersecurity | 134 | 114 | \$92,919 |
| Cyber Operations | 134 | 114 | \$92,919 |
| Transfer 99 - Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/CRR/NCCIC P&E | 27 | 27 | \$21,710 |

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| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|-------------|-------------------|
| | Positions | FTE | Amount |
| Cybersecurity | 27 | 27 | \$21,710 |
| Cyber Operations | 27 | 27 | \$21,710 |
| Transfer 100 - Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/FC/FNR | 1 | 1 | \$180 |
| Cybersecurity | 1 | 1 | \$180 |
| Cyber Operations | 1 | 1 | \$180 |
| Transfer 101 - Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC P&E | (56) | (34) | (\$41,990) |
| Cybersecurity | (56) | (34) | (\$41,990) |
| Cyber Readiness and Response | (56) | (34) | (\$41,990) |
| Transfer 102 - Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC Ops | 27 | 22 | \$3,057 |
| Cybersecurity | 27 | 22 | \$3,057 |
| Cyber Operations | 27 | 22 | \$3,057 |
| Transfer 103 - Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC P&E | 56 | 34 | \$41,990 |
| Cybersecurity | 56 | 34 | \$41,990 |
| Cyber Operations | 56 | 34 | \$41,990 |
| Transfer 104 - Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/FC/FNR | 31 | 24 | \$21,623 |
| Cybersecurity | 31 | 24 | \$21,623 |
| Cyber Operations | 31 | 24 | \$21,623 |
| Transfer 105 - Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/IO/SER/SER | 4 | 4 | \$602 |
| Cybersecurity | 4 | 4 | \$602 |
| Cyber Operations | 4 | 4 | \$602 |
| Transfer 106 - Realignment for PPA to CSD/C/TS/CDM from CSD/C/FC/CDM | 84 | 64 | \$94,514 |
| Cybersecurity | 84 | 64 | \$94,514 |
| Technology and Services | 84 | 64 | \$94,514 |
| Transfer 107 - Realignment for PPA to CSD/C/TS/Cybersecurity S from CSD/C/CRR/NCCIC Ops | - | - | \$4,849 |
| Cybersecurity | - | - | \$4,849 |
| Technology and Services | - | - | \$4,849 |
| Transfer 108 - Realignment for PPA to CSD/C/TS/Cybersecurity S from CSD/C/CRR/NCCIC P&E | - | - | \$2,941 |
| Cybersecurity | - | - | \$2,941 |
| Technology and Services | - | - | \$2,941 |
| Transfer 109 - Realignment for PPA to CSD/C/TS/Cybersecurity Svcs from CSD/CRR/NCCIC P&E | - | - | (\$2,941) |
| Cybersecurity | - | - | (\$2,941) |
| Cyber Readiness and Response | - | - | (\$2,941) |
| Transfer 110 - Realignment for PPA to CSD/CO/Capacity Bldg from CSD/CRR/NCCIC Ops | (6) | (6) | (\$664) |

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| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|--------------|--------------------|
| | Positions | FTE | Amount |
| Cybersecurity | (6) | (6) | (\$664) |
| Cyber Readiness and Response | (6) | (6) | (\$664) |
| Transfer 111 - Realignment for PPA to CSD/CO/Ops Planning & Coord from CSD/CRR/NCCIC Ops | (15) | (15) | (\$12,797) |
| Cybersecurity | (15) | (15) | (\$12,797) |
| Cyber Readiness and Response | (15) | (15) | (\$12,797) |
| Transfer 112 - Realignment for PPA to CSD/CO/Threat Hunt from CSD/CRR/NCCIC Ops | (142) | (122) | (\$109,713) |
| Cybersecurity | (142) | (122) | (\$109,713) |
| Cyber Readiness and Response | (142) | (122) | (\$109,713) |
| Transfer 113 - Realignment for PPA to CSD/CO/Vulnerability M from CSD/CRR/NCCIC Ops | (27) | (22) | (\$3,057) |
| Cybersecurity | (27) | (22) | (\$3,057) |
| Cyber Readiness and Response | (27) | (22) | (\$3,057) |
| Transfer 114 - Realignment for PPA to CSD/TS/Cybersecurity Svcs from CSD/CRR/NCCIC Ops | - | - | (\$4,849) |
| Cybersecurity | - | - | (\$4,849) |
| Cyber Readiness and Response | - | - | (\$4,849) |
| Transfer 115 - Realignment for PPA to EC/PTS from EC/ECP | - | - | \$24 |
| Emergency Communications | - | - | \$24 |
| Priority Telecommunications Services | - | - | \$24 |
| Transfer 116 - Realignment for PPA to EC/PTS from IP/ISC | - | - | \$14 |
| Emergency Communications | - | - | \$14 |
| Priority Telecommunications Services | - | - | \$14 |
| Transfer 117 - Realignment for PPA to IO/OCP from IP/ICB | - | - | \$612 |
| Integrated Operations | - | - | \$612 |
| Operations Coordination and Planning | - | - | \$612 |
| Transfer 118 - Realignment for PPA to IO/RO from C/CIR | 50 | 25 | \$13,069 |
| Integrated Operations | 50 | 25 | \$13,069 |
| Regional Operations | 50 | 25 | \$13,069 |
| Transfer 119 - Realignment for PPA to IO/RO from IO/CISA | 15 | 8 | \$2,821 |
| Integrated Operations | 15 | 8 | \$2,821 |
| Regional Operations | 15 | 8 | \$2,821 |
| Transfer 120 - Realignment for PPA to IO/RO from IP/ICB | 15 | 8 | \$23,692 |
| Integrated Operations | 15 | 8 | \$23,692 |
| Regional Operations | 15 | 8 | \$23,692 |
| Transfer 121 - Realignment for PPA to IO/RO from IP/ISC | - | - | \$924 |

| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|-----------|----------------|
| | Positions | FTE | Amount |
| Integrated Operations | - | - | \$924 |
| Regional Operations | - | - | \$924 |
| Transfer 122 - Realignment for PPA to IO/RO/Coord & Service D from CSD/C/FC/FNR | 1 | 1 | \$211 |
| Integrated Operations | 1 | 1 | \$211 |
| Regional Operations | 1 | 1 | \$211 |
| Transfer 123 - Realignment for PPA to IO/RO/Coord & Service D from ISD/IO/SER/VA | 1 | 1 | \$124 |
| Integrated Operations | 1 | 1 | \$124 |
| Regional Operations | 1 | 1 | \$124 |
| Transfer 124 - Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/IISDP | 1 | 1 | \$124 |
| Integrated Operations | 1 | 1 | \$124 |
| Regional Operations | 1 | 1 | \$124 |
| Transfer 125 - Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/PSA | - | - | \$3,888 |
| Integrated Operations | - | - | \$3,888 |
| Regional Operations | - | - | \$3,888 |
| Transfer 126 - Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/SRM | 34 | 31 | \$4,216 |
| Integrated Operations | 34 | 31 | \$4,216 |
| Regional Operations | 34 | 31 | \$4,216 |
| Transfer 127 - Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ISC/ISC | 2 | 2 | \$308 |
| Integrated Operations | 2 | 2 | \$308 |
| Regional Operations | 2 | 2 | \$308 |
| Transfer 128 - Realignment for PPA to IO/RO/Coord & Service D from ISD/MS/MS/MS | 10 | 7 | \$3,160 |
| Integrated Operations | 10 | 7 | \$3,160 |
| Regional Operations | 10 | 7 | \$3,160 |
| Transfer 129 - Realignment for PPA to IO/RO/Coord & Service D from NRMC/IO/RMO/IA | 10 | 10 | \$1,451 |
| Integrated Operations | 10 | 10 | \$1,451 |
| Regional Operations | 10 | 10 | \$1,451 |
| Transfer 130 - Realignment for PPA to IO/RO/Security Advisors from CSD/C/CIR/CSA | 30 | 23 | \$6,364 |
| Integrated Operations | 30 | 23 | \$6,364 |
| Regional Operations | 30 | 23 | \$6,364 |
| Transfer 131 - Realignment for PPA to IOD/IO/OCP/BCEP from OOD/IO/CISA/CISA | 13 | 11 | \$2,854 |
| Integrated Operations | 13 | 11 | \$2,854 |
| Operations Coordination and Planning | 13 | 11 | \$2,854 |
| Transfer 132 - Realignment for PPA to IOD/IO/OCP/Intelligence from NRMC/IO/RMO/IA | 25 | 25 | \$4,497 |

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| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|-------------|-------------------|
| | Positions | FTE | Amount |
| Integrated Operations | 25 | 25 | \$4,497 |
| Operations Coordination and Planning | 25 | 25 | \$4,497 |
| Transfer 133 - Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/CRR/NCCIC Ops | (49) | (49) | (\$31,995) |
| Cybersecurity | (49) | (49) | (\$31,995) |
| Cyber Readiness and Response | (49) | (49) | (\$31,995) |
| Transfer 134 - Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/C/CRR/NCCIC Ops | 23 | 23 | \$11,017 |
| Integrated Operations | 23 | 23 | \$11,017 |
| Operations Coordination and Planning | 23 | 23 | \$11,017 |
| Transfer 135 - Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/C/CRR/NCCIC P&E | 3 | 3 | \$4,653 |
| Integrated Operations | 3 | 3 | \$4,653 |
| Operations Coordination and Planning | 3 | 3 | \$4,653 |
| Transfer 136 - Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/CRR/NCCIC P&E | (3) | (3) | (\$4,653) |
| Cybersecurity | (3) | (3) | (\$4,653) |
| Cyber Readiness and Response | (3) | (3) | (\$4,653) |
| Transfer 137 - Realignment for PPA to IOD/IO/OCP/Ops Center from ISD/IO/CISA/CISA | 47 | 40 | \$21,060 |
| Integrated Operations | 47 | 40 | \$21,060 |
| Operations Coordination and Planning | 47 | 40 | \$21,060 |
| Transfer 138 - Realignment for PPA to IOD/IO/OCP/P&R from CSD/C/CRR/NCCIC P&E | 16 | 15 | \$1,666 |
| Integrated Operations | 16 | 15 | \$1,666 |
| Operations Coordination and Planning | 16 | 15 | \$1,666 |
| Transfer 139 - Realignment for PPA to IOD/IO/OCP/Planning & R from CSD/CRR/NCCIC P&E | (16) | (15) | (\$1,666) |
| Cybersecurity | (16) | (15) | (\$1,666) |
| Cyber Readiness and Response | (16) | (15) | (\$1,666) |
| Transfer 140 - Realignment for PPA to IOD/OCP/Ops Center from CSD/C/CRR/NCCIC Ops | 26 | 26 | \$20,978 |
| Integrated Operations | 26 | 26 | \$20,978 |
| Operations Coordination and Planning | 26 | 26 | \$20,978 |
| Transfer 141 - Realignment for PPA to IS/IAS from IP/ICB | 21 | 11 | \$14,356 |
| Infrastructure Security | 21 | 11 | \$14,356 |
| Infrastructure Assessments and Security | 21 | 11 | \$14,356 |
| Transfer 142 - Realignment for PPA to ISD/IS/CS/Chem Security from ISD/IP/ISC/ISC | 106 | 77 | \$30,294 |
| Infrastructure Security | 106 | 77 | \$30,294 |
| Chemical Security | 106 | 77 | \$30,294 |
| Transfer 143 - Realignment for PPA to ISD/IS/IAS/Assess and II from ISD/IO/SER/VA | 17 | 17 | \$16,271 |

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| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|------------|-----------------|
| | Positions | FTE | Amount |
| Infrastructure Security | 17 | 17 | \$16,271 |
| Infrastructure Assessments and Security | 17 | 17 | \$16,271 |
| Transfer 144 - Realignment for PPA to ISD/IS/IAS/Assess and II from ISD/IP/ICB/PSA | 16 | 16 | \$4,575 |
| Infrastructure Security | 16 | 16 | \$4,575 |
| Infrastructure Assessments and Security | 16 | 16 | \$4,575 |
| Transfer 145 - Realignment for PPA to ISD/IS/IAS/Bombing Prevention from ISD/IP/ICB/BP | 22 | 21 | \$16,032 |
| Infrastructure Security | 22 | 21 | \$16,032 |
| Infrastructure Assessments and Security | 22 | 21 | \$16,032 |
| Transfer 146 - Realignment for PPA to ISD/IS/IAS/CISA Ex from CSD/C/CIR/CEA | 15 | 15 | \$10,058 |
| Infrastructure Security | 15 | 15 | \$10,058 |
| Infrastructure Assessments and Security | 15 | 15 | \$10,058 |
| Transfer 147 - Realignment for PPA to ISD/IS/IAS/CISA Ex from CSD/C/CRR/NCCIC PE | 1 | 1 | \$35 |
| Infrastructure Security | 1 | 1 | \$35 |
| Infrastructure Assessments and Security | 1 | 1 | \$35 |
| Transfer 148 - Realignment for PPA to ISD/IS/IAS/CISA Exer from CSD/CRR/NCCIC P&E | (1) | (1) | (\$35) |
| Cybersecurity | (1) | (1) | (\$35) |
| Cyber Readiness and Response | (1) | (1) | (\$35) |
| Transfer 149 - Realignment for PPA to ISD/IS/IAS/CISA Exer from ISD/IP/ICB/SRM | 9 | 9 | \$1,797 |
| Infrastructure Security | 9 | 9 | \$1,797 |
| Infrastructure Assessments and Security | 9 | 9 | \$1,797 |
| Transfer 150 - Realignment for PPA to ISD/IS/IAS/Security Programs from ISD/IP/ICB/SRM | 23 | 20 | \$17,661 |
| Infrastructure Security | 23 | 20 | \$17,661 |
| Infrastructure Assessments and Security | 23 | 20 | \$17,661 |
| Transfer 151 - Realignment for PPA to ISD/IS/IAS/Strategy and Perform from ISD/IP/ICB/SRM | 16 | 12 | \$5,208 |
| Infrastructure Security | 16 | 12 | \$5,208 |
| Infrastructure Assessments and Security | 16 | 12 | \$5,208 |
| Transfer 152 - Realignment for PPA to ISD/IS/ICB/IISDP from ISD/IP/ICB/SRM | 2 | 2 | \$310 |
| Infrastructure Security | 2 | 2 | \$310 |
| Infrastructure Capacity Building | 2 | 2 | \$310 |
| Transfer 153 - Realignment for PPA to ISD/MS/MS/SPP from ISD/IO/SPP/SPP | 11 | 11 | \$3,961 |
| Mission Support | 11 | 11 | \$3,961 |
| Transfer 154 - Realignment for PPA to MBS/MS/MS/CTO from CSD/C/FC/CDM | 2 | 2 | \$546 |
| Mission Support | 2 | 2 | \$546 |

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| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|------------|------------------|
| | Positions | FTE | Amount |
| Transfer 155 - Realignment for PPA to MBS/MS/MS/CTO from C/CIR/CTI | 13 | 13 | \$9,485 |
| Mission Support | 13 | 13 | \$9,485 |
| Transfer 156 - Realignment for PPA to MBS/MS/MS/External Affairs from OOD/IO/SER/EA | 43 | 38 | \$6,968 |
| Mission Support | 43 | 38 | \$6,968 |
| Transfer 157 - Realignment for PPA to MBS/MS/MS/Nat'l Sup Svcs FM from CSD/CRR/NCCIC Ops | (3) | (3) | (\$1,707) |
| Cybersecurity | (3) | (3) | (\$1,707) |
| Cyber Readiness and Response | (3) | (3) | (\$1,707) |
| Transfer 158 - Realignment for PPA to MBS/MS/MS/Privacy from OOD/IO/SER/Privacy | 11 | 11 | \$2,376 |
| Mission Support | 11 | 11 | \$2,376 |
| Transfer 159 - Realignment for PPA to MBS/MS/MS/SPP from OOD/IO/SPP/SPP | 25 | 20 | \$4,662 |
| Mission Support | 25 | 20 | \$4,662 |
| Transfer 160 - Realignment for PPA to MS/MS from C/FC | - | - | \$34 |
| Mission Support | - | - | \$34 |
| Transfer 161 - Realignment for PPA to MS/MS from IO/SPP | - | - | \$300 |
| Mission Support | - | - | \$300 |
| Transfer 162 - Realignment for PPA to MS/MS from IP/ISC | - | - | \$35 |
| Mission Support | - | - | \$35 |
| Transfer 163 - Realignment for PPA to MS/MS from IO/SER | - | - | \$106 |
| Mission Support | - | - | \$106 |
| Transfer 164 - Realignment for PPA to MS/MS from OS/OBIM/MS | 9 | 9 | - |
| Mission Support | 9 | 9 | - |
| Transfer 165 - Realignment for PPA to MS/MS/NSFM from CSD/CRR/NCCIC Ops | 3 | 3 | \$1,707 |
| Mission Support | 3 | 3 | \$1,707 |
| Transfer 166 - Realignment for PPA to MS/SPP from CS/IO/SPP/SPP | 17 | 11 | \$2,246 |
| Mission Support | 17 | 11 | \$2,246 |
| Transfer 167 - Realignment for PPA to NRM/CMO/RMO/Infrastructure A from NRM/CMO/RMO/IA | 148 | 131 | \$46,108 |
| Risk Management Operations | 148 | 131 | \$46,108 |
| Risk Management Operations | 148 | 131 | \$46,108 |
| Transfer 168 - Realignment for PPA to NRM/CMO/RMO/NISAC from NRM/CMO/RMO/NISAC | - | - | \$9,055 |
| Risk Management Operations | - | - | \$9,055 |
| Risk Management Operations | - | - | \$9,055 |
| Transfer 169 - Realignment for PPA to O&S/CSD/C/CO/Vulnerability M from O&S/CSD/CIR/CEA | - | - | \$466 |
| Cybersecurity | - | - | \$466 |

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| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|------------|------------------|
| | Positions | FTE | Amount |
| Cyber Operations | - | - | \$466 |
| Transfer 170 - Realignment for PPA to O&S/CSD/C/TS/NCPS from O&S/CSD/C/FC/NCPS | 176 | 151 | \$299,384 |
| Cybersecurity | 176 | 151 | \$299,384 |
| Technology and Services | 176 | 151 | \$299,384 |
| Transfer 171 - Realignment for PPA to O&S/ISD/IS/IAS/Assess and II from O&S/ISD/IP/ICB/IISDP | 57 | 48 | \$16,806 |
| Infrastructure Security | 57 | 48 | \$16,806 |
| Infrastructure Assessments and Security | 57 | 48 | \$16,806 |
| Transfer 172 - Realignment for PPA to RMO/RMO from IO/RMO | - | - | \$47,702 |
| Risk Management Operations | - | - | \$47,702 |
| Risk Management Operations | - | - | \$47,702 |
| Transfer 173 - Realignment for PPA to RMO/RMO from IP/ICB | - | - | \$1,088 |
| Risk Management Operations | - | - | \$1,088 |
| Risk Management Operations | - | - | \$1,088 |
| Transfer 174 - Realignment for PPA to SED/SER/SER/Council Management from CSD/IO/SER/SER | 5 | 5 | \$4,149 |
| Stakeholder Engagement and Requirements | 5 | 5 | \$4,149 |
| Stakeholder Engagement and Requirements | 5 | 5 | \$4,149 |
| Transfer 175 - Realignment for PPA to SED/SER/SER/Council Management from ISD/IP/ICB/SRM | 17 | 14 | \$2,516 |
| Stakeholder Engagement and Requirements | 17 | 14 | \$2,516 |
| Stakeholder Engagement and Requirements | 17 | 14 | \$2,516 |
| Transfer 176 - Realignment for PPA to SED/SER/SER/Council Management from NRM/IO/RMO/IA | - | - | \$1,088 |
| Stakeholder Engagement and Requirements | - | - | \$1,088 |
| Stakeholder Engagement and Requirements | - | - | \$1,088 |
| Transfer 177 - Realignment for PPA to SED/SER/SER/IA from OOD/IO/SPP/SPP | 11 | 11 | \$1,557 |
| Stakeholder Engagement and Requirements | 11 | 11 | \$1,557 |
| Stakeholder Engagement and Requirements | 11 | 11 | \$1,557 |
| Transfer 178 - Realignment for PPA to SED/SER/SER/SSMA from CSD/IO/SER/SER | 1 | 1 | \$3,168 |
| Stakeholder Engagement and Requirements | 1 | 1 | \$3,168 |
| Stakeholder Engagement and Requirements | 1 | 1 | \$3,168 |
| Transfer 179 - Realignment for PPA to SED/SER/SER/SSMA from ISD/IP/ICB/SRM | 33 | 30 | \$11,260 |
| Stakeholder Engagement and Requirements | 33 | 30 | \$11,260 |
| Stakeholder Engagement and Requirements | 33 | 30 | \$11,260 |
| Transfer 180 - Realignment for PPA to SED/SER/SER/Stakeholder Engmt from CSD/C/CIR/CEA | 2 | 2 | \$1,867 |
| Stakeholder Engagement and Requirements | 2 | 2 | \$1,867 |

| Transfers (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|-------------|------------------|
| | Positions | FTE | Amount |
| Stakeholder Engagement and Requirements | 2 | 2 | \$1,867 |
| Transfer 181 - Realignment for PPA to SED/SER/SER/Stakeholder Engmt from CSD/IO/SER/SER | 29 | 12 | \$8,412 |
| Stakeholder Engagement and Requirements | 29 | 12 | \$8,412 |
| Stakeholder Engagement and Requirements | 29 | 12 | \$8,412 |
| Transfer 182 - Realignment for PPA to SED/SER/SER/Stakeholder Engmt from ISD/IP/ICB/SRM | 10 | 7 | \$3,889 |
| Stakeholder Engagement and Requirements | 10 | 7 | \$3,889 |
| Stakeholder Engagement and Requirements | 10 | 7 | \$3,889 |
| Transfer 183 - Realignment for PPA to SER/SER from IO/SER | - | - | \$335 |
| Stakeholder Engagement and Requirements | - | - | \$335 |
| Stakeholder Engagement and Requirements | - | - | \$335 |
| Transfer 184 - Transfer for Background Investigations from MGMT/OCSO to CISA/Mission Support | 5 | 5 | \$776 |
| Mission Support | 5 | 5 | \$776 |
| Transfer 185 - Transfer for OBIM from CISA/MS to MGMT/OBIM | (18) | (18) | (\$2,929) |
| Mission Support | (18) | (18) | (\$2,929) |
| Total Transfers | (13) | (13) | (\$2,153) |

Transfer 1 – 7 Realignments for OCC: These transfers reflect the standup of the Office of the Chief Counsel (OCC). In previous years, funding for Department attorneys assigned to CISA was collected from the CISA Divisions and then reimbursed to the DHS Office of General Counsel through an interagency agreement. In FY 2021, CISA is requesting the transfer of \$12.3M from across its O&S PPAs that would have funded attorneys through the interagency agreement, be transferred to the Mission Support PPA to fund the new OCC directly.

Transfer 8 - 183 - Realignments Related to the new CISA PPA Structure: In November 2018, Congress passed the Cybersecurity and Infrastructure Security Agency Act of 2018 reorganizing the National Protection and Programs Directorate (NPPD) into an operational component focused on leading the national effort to understand and manage cyber and physical risk to our critical infrastructure. The FY 2021 President's Budget reorganizes the PPA structure within the O&S appropriation in order to fully reflect this vision and these are the transfers necessary to move funding from the old PPA structure to the new PPA structure.

Transfer 184 - Transfer for Background Investigations: This transfer to CISA from DHS is for the costs related to the initiation, scheduling, and adjudication of background investigations for Federal civilian and contract employment.

Transfers 185 - Transfer for OBIM: The FY 2019 enactment did not include 18 positions that are funded within the CISA O&S Mission Support and Integrated Operations PPAs but perform OBIM functions. In FY 2015, these positions, along with the associated funding, were transferred from the OBIM appropriation to CISA's legacy organization's appropriation to be centrally managed for administrative functions. The OBIM personnel are encumbered and perform functions on behalf of OBIM. DHS is requesting the transfer of these 18 positions from CISA to MGMT/OBIM.

Operations and Support

Justification of Pricing Changes

| Pricing Changes (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|-----|-----------------|
| | Positions | FTE | Amount |
| Pricing Change 1 - 2020 Pay Raise | - | - | \$12,034 |
| Mission Support | - | - | \$2,600 |
| Cybersecurity | - | - | \$3,345 |
| Cyber Operations | - | - | \$2,034 |
| Technology and Services | - | - | \$1,311 |
| Infrastructure Security | - | - | \$1,317 |
| Infrastructure Assessments and Security | - | - | \$770 |
| Chemical Security | - | - | \$547 |
| Emergency Communications | - | - | \$875 |
| Emergency Communications Preparedness | - | - | \$487 |
| Priority Telecommunications Services | - | - | \$388 |
| Integrated Operations | - | - | \$2,679 |
| Regional Operations | - | - | \$1,956 |
| Operations Coordination and Planning | - | - | \$723 |
| Risk Management Operations | - | - | \$701 |
| Risk Management Operations | - | - | \$701 |
| Stakeholder Engagement and Requirements | - | - | \$517 |
| Stakeholder Engagement and Requirements | - | - | \$517 |
| Pricing Change 2 - 2021 Pay Raise | - | - | \$2,899 |
| Mission Support | - | - | \$599 |
| Cybersecurity | - | - | \$808 |
| Cyber Operations | - | - | \$494 |
| Technology and Services | - | - | \$314 |
| Infrastructure Security | - | - | \$357 |
| Infrastructure Assessments and Security | - | - | \$222 |
| Chemical Security | - | - | \$135 |
| Emergency Communications | - | - | \$160 |
| Emergency Communications Preparedness | - | - | \$123 |
| Priority Telecommunications Services | - | - | \$37 |
| Integrated Operations | - | - | \$663 |

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| Pricing Changes (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|-----------|------------------|
| | Positions | FTE | Amount |
| Regional Operations | - | - | \$461 |
| Operations Coordination and Planning | - | - | \$202 |
| Risk Management Operations | - | - | \$185 |
| Risk Management Operations | - | - | \$185 |
| Stakeholder Engagement and Requirements | - | - | \$127 |
| Stakeholder Engagement and Requirements | - | - | \$127 |
| Pricing Change 3 - Annualization of FY 2020 CDM FTE | - | 10 | \$1,045 |
| Cybersecurity | - | 10 | \$1,045 |
| Technology and Services | - | 10 | \$1,045 |
| Pricing Change 4 - Annualization of FY 2020 Continuity Operations (COOP) Enhancement Hiring | - | 2 | \$315 |
| Integrated Operations | - | 2 | \$315 |
| Operations Coordination and Planning | - | 2 | \$315 |
| Pricing Change 5 - Annualization of FY 2020 Cyber Sentry | - | 2 | \$284 |
| Cybersecurity | - | 2 | \$284 |
| Cyber Operations | - | 2 | \$284 |
| Pricing Change 6 - Annualization of FY 2020 Support to State and Local Governments | - | 10 | \$1,299 |
| Cybersecurity | - | 10 | \$1,299 |
| Cyber Operations | - | 10 | \$1,299 |
| Pricing Change 7 - Annualization of Federal Network Resilience .gov Governance | - | 2 | \$211 |
| Cybersecurity | - | 2 | \$211 |
| Cyber Operations | - | 2 | \$211 |
| Pricing Change 8 - Annualization of Federal Network Resilience High Value Assets | - | 2 | \$310 |
| Cybersecurity | - | 2 | \$310 |
| Cyber Operations | - | 2 | \$310 |
| Pricing Change 9 - Annualization of Support of Bomb Making Materials Awareness Program (BMAP) | - | - | \$963 |
| Infrastructure Security | - | - | \$963 |
| Infrastructure Assessments and Security | - | - | \$963 |
| Pricing Change 10 - Decrement in Operations Coordination and Watch | - | - | (\$17) |
| Integrated Operations | - | - | (\$13) |
| Operations Coordination and Planning | - | - | (\$13) |
| Risk Management Operations | - | - | (\$4) |
| Risk Management Operations | - | - | (\$4) |
| Pricing Change 11 - Efficiencies | - | - | (\$9,419) |

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| Pricing Changes (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|----------|----------------|
| | Positions | FTE | Amount |
| Mission Support | - | - | (\$2,271) |
| Cybersecurity | - | - | (\$2,970) |
| Cyber Operations | - | - | (\$1,923) |
| Technology and Services | - | - | (\$1,047) |
| Infrastructure Security | - | - | (\$522) |
| Infrastructure Assessments and Security | - | - | (\$522) |
| Emergency Communications | - | - | (\$693) |
| Emergency Communications Preparedness | - | - | (\$346) |
| Priority Telecommunications Services | - | - | (\$347) |
| Integrated Operations | - | - | (\$2,095) |
| Regional Operations | - | - | (\$1,573) |
| Operations Coordination and Planning | - | - | (\$522) |
| Risk Management Operations | - | - | (\$522) |
| Risk Management Operations | - | - | (\$522) |
| Stakeholder Engagement and Requirements | - | - | (\$346) |
| Stakeholder Engagement and Requirements | - | - | (\$346) |
| Pricing Change 12 - Enhanced Cybersecurity Services (ECS) FY 2021 Personnel Adjustment | 2 | 2 | - |
| Cybersecurity | 2 | 2 | - |
| Cyber Operations | 2 | 2 | - |
| Pricing Change 13 - FERS Agency Contribution | - | - | \$3,358 |
| Mission Support | - | - | \$692 |
| Cybersecurity | - | - | \$937 |
| Cyber Operations | - | - | \$572 |
| Technology and Services | - | - | \$365 |
| Infrastructure Security | - | - | \$414 |
| Infrastructure Assessments and Security | - | - | \$257 |
| Chemical Security | - | - | \$157 |
| Emergency Communications | - | - | \$185 |
| Emergency Communications Preparedness | - | - | \$142 |
| Priority Telecommunications Services | - | - | \$43 |
| Integrated Operations | - | - | \$770 |
| Regional Operations | - | - | \$536 |
| Operations Coordination and Planning | - | - | \$234 |

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| Pricing Changes (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|-----------|----------------|
| | Positions | FTE | Amount |
| Risk Management Operations | - | - | \$214 |
| Risk Management Operations | - | - | \$214 |
| Stakeholder Engagement and Requirements | - | - | \$146 |
| Stakeholder Engagement and Requirements | - | - | \$146 |
| Pricing Change 14 - Federal Protective Service (FPS) Fee Adjustment | - | - | (\$198) |
| Mission Support | - | - | (\$17) |
| Cybersecurity | - | - | (\$105) |
| Cyber Operations | - | - | (\$40) |
| Technology and Services | - | - | (\$65) |
| Infrastructure Security | - | - | (\$19) |
| Infrastructure Assessments and Security | - | - | (\$14) |
| Chemical Security | - | - | (\$5) |
| Emergency Communications | - | - | (\$20) |
| Emergency Communications Preparedness | - | - | (\$9) |
| Priority Telecommunications Services | - | - | (\$11) |
| Integrated Operations | - | - | (\$22) |
| Regional Operations | - | - | (\$12) |
| Operations Coordination and Planning | - | - | (\$10) |
| Risk Management Operations | - | - | (\$8) |
| Risk Management Operations | - | - | (\$8) |
| Stakeholder Engagement and Requirements | - | - | (\$7) |
| Stakeholder Engagement and Requirements | - | - | (\$7) |
| Pricing Change 15 - HIRT and NCATS FY 2021 Personnel Adjustment | 38 | 38 | - |
| Cybersecurity | 38 | 38 | - |
| Cyber Operations | 38 | 38 | - |
| Pricing Change 16 - National Coordination Center (NCC) FY 2021 Personnel Adjustment | 5 | 5 | - |
| Cybersecurity | - | - | - |
| Integrated Operations | 5 | 5 | - |
| Operations Coordination and Planning | 5 | 5 | - |
| Pricing Change 17 - Next Generation Networks Priority Services (NGN-PS) | - | - | \$9 |
| Emergency Communications | - | - | \$9 |
| Priority Telecommunications Services | - | - | \$9 |
| Pricing Change 18 - Office of the Chief Counsel (OCC) from O&S/MS to O&S/MS | 57 | 57 | - |

| Pricing Changes (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|------------|------------------|
| | Positions | FTE | Amount |
| Mission Support | 57 | 57 | - |
| Pricing Change 19 - Operation Efficiency of Operations Support for NRMC costs | - | - | (\$251) |
| Integrated Operations | - | - | - |
| Risk Management Operations | - | - | (\$251) |
| Risk Management Operations | - | - | (\$251) |
| Pricing Change 20 - Priority Telecommunication Services (PTS) | - | - | \$12 |
| Emergency Communications | - | - | \$12 |
| Priority Telecommunications Services | - | - | \$12 |
| Pricing Change 21 - Software Assurance | - | - | (\$1,700) |
| Risk Management Operations | - | - | (\$1,700) |
| Risk Management Operations | - | - | (\$1,700) |
| Total Pricing Changes | 102 | 130 | \$11,154 |

Pricing Change 1 – 2020 Pay Raise: This pricing change reflects the costs to support the 2020 enacted 3.1% pay increase. This includes one quarter of funding for Calendar Year 2020 and three quarters to annualize the funding in Calendar Year 2021.

Pricing Change 2 – 2021 Pay Raise: This pricing change reflects the impact of the 2021 1.0% pay increase.

Pricing Change 3 - Annualization of FY 2020 CDM FTE Increase: The pricing change fully annualizes ten FTEs that were requested in the FY 2020 President's Budget for Continuous Diagnostics and Mitigation (CDM)

Pricing Change 4 - Annualization of FY 2020 Continuity Operations (COOP) Enhancement Hiring: The pricing change fully annualizes two FTE that were requested in the FY 2020 President's Budget for Continuity Operations (COOP).

Pricing Change 5 - Annualization of FY 2020 CyberSentry: The pricing change fully annualizes two FTEs that were requested in the FY 2020 President's Budget for CyberSentry.

Pricing Change 6 - Annualization of FY 2020 Support to State and Local Governments: The pricing change fully annualizes the ten FTEs that were requested in the FY 2020 President's Budget to provide support to State and Local Governments.

Pricing Change 7 - Annualization of Federal Network Resilience .gov Governance: The pricing change fully annualizes the two FTEs that were requested in the FY 2020 President's Budget for Federal Network Resilience .gov Governance.

Pricing Change 8 - Annualization of Federal Network Resilience High Value Assets: The pricing change fully annualizes the two FTEs that were requested in the FY 2020 President's Budget for Federal Network Resilience High Value Assets.

Pricing Change 9 - Annualization of Support of Bomb-Making Materials Awareness Program (BMAP): The pricing change reflects the annualization of the FY 2020 President's Budget initiative to transition CISA's BMAP to a fully-funded program of record.

Pricing Change 10 - Decrement in Operations Coordination and Watch: This pricing change reflects annualization of FY 2020 budget request to operations coordination and Watch activities.

Pricing Change 11 - Efficiencies: This pricing change is operational efficiencies due to reductions to travel, training, and existing contracts.

Pricing Change 12 - Enhanced Cybersecurity Services (ECS) FY 2021 Personnel Adjustment: This pricing change converts two contractors to Federal positions for ECS.

Pricing Change 13 - Federal Employees Retirement System (FERS) Agency Contribution: OMB Circular No. A-11 (2019) increased employee agency contributions by 1.3% for regular retirement groups and 2.4% for law enforcement retirement groups.

Pricing Change 14 - Federal Protective Service (FPS) Fee Adjustment: This pricing change reflects the impact to CISA of the published rate changes for the Federal Protective Service (FPS) for the protection of Federal facilities and occupants.

Pricing Change 15 - Hunt and Incident Response Team (HIRT) and National Cybersecurity Assessments and Technical Services (NCATS) FY 2021 Personnel Adjustment: This pricing change converts 38 contractors to Federal positions for HIRT and NCATS.

Pricing Change 16 - National Coordination Center (NCC) FY 2021 Personnel Adjustment: This pricing change converts five contractors to Federal positions for National Coordination Center.

Pricing Change 17 - Next Generation Networks Priority Services (NGN-PS): This pricing change aligns with the NGN-PS acquisition life cycle cost requirements for FY 2021. The program received approval in FY 2018 to start Phase 1, Increment 3 to provide wireline priority access at the Local Exchange Carriers, which is required for the Government Emergency Telecommunications Service (GETS) and Special Routing Arrangement Service (SRAS) portion of the network. The addition of the Local Exchange Carriers for Phase 1, Increment 3 will require new test procedures to be accomplished, in accordance with the DHS systems engineering lifecycle (SELC) process.

Pricing Changers 18 – Office of the Chief Counsel (OCC) from O&S/MS to O&S/MS: This pricing change reflects increases of 57 Positions and 57 FTE to the CISA Mission Support PPA for the standup of the Office of the Chief Counsel (OCC). For FY 2021, the Office of the Secretary and Executive Management account displays a parallel reduction of 57 Positions and 57 FTE from CISA in the reimbursable resources table.

Pricing Change 19 – Operation Efficiency of Operations Support for NRMC costs: This pricing change is an operational efficiency of the program dollars associated with FY 2020 operations support for National Risk Management Center (NRMC) costs.

Pricing Change 20 - Priority Telecommunications Services (PTS): This pricing change aligns with the National Security and Emergency Preparedness PTS Government Emergency Telecommunications Service/Wireless Priority Service/Special Routing Arrangement Service/Telecommunications Service Priority (GETS/WPS/SRAS/TSP) acquisition life cycle cost requirements for FY 2021. The addition of carriers provide new reports of performance in the Voice over LTE networks, as hybrid networks will require new hybrid operational measures to be captured in performance statistics and require new hybrid annual operational tests for sustainment.

Pricing Change 21 – Software Assurance: This pricing change non-recurrs the one-time increase included in the FY 2020 Appropriations Act.

Operations and Support

Justification of Program Changes

| Program Changes (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|--------------|-------------------|
| | Positions | FTE | Amount |
| Program Change 1 - Additional Protective Security Advisor Hires | 158 | 143 | \$21,603 |
| Integrated Operations | 158 | 143 | \$21,603 |
| Regional Operations | 158 | 143 | \$21,603 |
| Program Change 2 - Awards Spending Increase | - | - | \$3,866 |
| Mission Support | - | - | \$800 |
| Cybersecurity | - | - | \$1,078 |
| Cyber Operations | - | - | \$659 |
| Technology and Services | - | - | \$419 |
| Infrastructure Security | - | - | \$477 |
| Infrastructure Assessments and Security | - | - | \$296 |
| Chemical Security | - | - | \$181 |
| Emergency Communications | - | - | \$213 |
| Emergency Communications Preparedness | - | - | \$164 |
| Priority Telecommunications Services | - | - | \$49 |
| Integrated Operations | - | - | \$883 |
| Regional Operations | - | - | \$614 |
| Operations Coordination and Planning | - | - | \$269 |
| Risk Management Operations | - | - | \$247 |
| Risk Management Operations | - | - | \$247 |
| Stakeholder Engagement and Requirements | - | - | \$168 |
| Stakeholder Engagement and Requirements | - | - | \$168 |
| Program Change 3 - CFATS | (288) | (229) | (\$68,119) |
| Infrastructure Security | (106) | (77) | (\$26,497) |
| Chemical Security | (106) | (77) | (\$26,497) |
| Integrated Operations | (182) | (152) | (\$41,622) |
| Regional Operations | (182) | (152) | (\$41,622) |
| Program Change 4 - CISA Application Cloud | - | - | \$4,000 |
| Mission Support | - | - | \$4,000 |
| Program Change 5 - CISA Gateway O&S | - | - | (\$1,590) |
| Infrastructure Security | - | - | (\$1,590) |

Cybersecurity and Infrastructure Security Agency

Operations and Support

| Program Changes (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|------------|-------------------|
| | Positions | FTE | Amount |
| Infrastructure Assessments and Security | - | - | (\$1,590) |
| Program Change 6 - CISA Regional Operations | (15) | (8) | (\$1,600) |
| Infrastructure Security | (15) | (8) | (\$1,600) |
| Infrastructure Assessments and Security | (15) | (8) | (\$1,600) |
| Program Change 7 - Continuity, Regionalization, and Devolution Out of Area | - | - | \$3,053 |
| Integrated Operations | - | - | \$3,053 |
| Operations Coordination and Planning | - | - | \$3,053 |
| Program Change 8 - Continuous Diagnostics and Mitigation (CDM) | 22 | 22 | (\$5,441) |
| Cybersecurity | 22 | 22 | (\$5,441) |
| Technology and Services | 22 | 22 | (\$5,441) |
| Program Change 9 - Cyber Engagement Programs | (1) | - | (\$2,550) |
| Cybersecurity | (1) | - | (\$2,550) |
| Cyber Operations | (1) | - | (\$2,550) |
| Program Change 10 - Cyber Security Advisors | (16) | (8) | (\$4,971) |
| Integrated Operations | (16) | (8) | (\$4,971) |
| Regional Operations | (16) | (8) | (\$4,971) |
| Program Change 11 - Cyber Sentry | - | - | \$4,000 |
| Cybersecurity | - | - | \$4,000 |
| Cyber Operations | - | - | \$4,000 |
| Program Change 12 - Cybersecurity Services for Critical Infrastructure Sectors | - | - | (\$3,000) |
| Cybersecurity | - | - | (\$3,000) |
| Cyber Operations | - | - | (\$3,000) |
| Program Change 13 - Financial System Modernization | 1 | 1 | \$821 |
| Mission Support | 1 | 1 | \$821 |
| Program Change 14 - First Responder Emergency Medical Comms | - | - | (\$2,000) |
| Emergency Communications | - | - | (\$2,000) |
| Emergency Communications Preparedness | - | - | (\$2,000) |
| Program Change 15 - G-Invoicing Solution | - | - | \$250 |
| Mission Support | - | - | \$250 |
| Program Change 16 - Industrial Control Systems | - | - | (\$11,400) |
| Cybersecurity | - | - | (\$11,400) |
| Cyber Operations | - | - | (\$11,400) |
| Program Change 17 - Infrastructure Security Personnel | - | - | (\$2,325) |

Cybersecurity and Infrastructure Security Agency

Operations and Support

| Program Changes (Dollars in Thousands) | FY 2021 President's Budget | | |
|--|----------------------------|------------|-------------------|
| | Positions | FTE | Amount |
| Infrastructure Security | - | - | (\$2,325) |
| Infrastructure Assessments and Security | - | - | (\$2,325) |
| Program Change 18 - NCPS O&S | - | - | (\$22,019) |
| Cybersecurity | - | - | (\$22,019) |
| Technology and Services | - | - | (\$22,019) |
| Program Change 19 - NISAC | - | - | (\$9,738) |
| Risk Management Operations | - | - | (\$9,738) |
| Risk Management Operations | - | - | (\$9,738) |
| Program Change 20 - NRMC | 20 | 10 | (\$5,285) |
| Risk Management Operations | 20 | 10 | (\$5,285) |
| Risk Management Operations | 20 | 10 | (\$5,285) |
| Program Change 21 - OBP Train the Trainer | - | - | (\$6,567) |
| Infrastructure Security | - | - | (\$6,567) |
| Infrastructure Assessments and Security | - | - | (\$6,567) |
| Program Change 22 - Privacy Office Advisors | 3 | 2 | \$336 |
| Mission Support | 3 | 2 | \$336 |
| Program Change 23 - Regional Personnel | (15) | (8) | (\$1,850) |
| Integrated Operations | (15) | (8) | (\$1,850) |
| Regional Operations | (15) | (8) | (\$1,850) |
| Program Change 24 - SLTT Cyber Information Sharing Pilot | - | - | (\$3,000) |
| Cybersecurity | - | - | (\$3,000) |
| Cyber Operations | - | - | (\$3,000) |
| Program Change 25 - School Safety/Soft Target | (6) | (3) | (\$3,000) |
| Infrastructure Security | (6) | (3) | (\$3,000) |
| Infrastructure Assessments and Security | (6) | (3) | (\$3,000) |
| Program Change 26 - Shared Cybersecurity Services Marketplace | 14 | 7 | (\$4,050) |
| Cybersecurity | 14 | 7 | (\$4,050) |
| Cyber Operations | 14 | 7 | (\$4,050) |
| Program Change 27 - Standing Up CISA Management Structure | 47 | 26 | \$6,082 |
| Mission Support | 47 | 26 | \$6,082 |
| Program Change 28 - Support to State and Local Governments | - | - | (\$9,654) |
| Cybersecurity | - | - | (\$11,439) |
| Cyber Operations | - | - | (\$11,439) |

| Program Changes (Dollars in Thousands) | FY 2021 President's Budget | | |
|---|----------------------------|-------------|--------------------|
| | Positions | FTE | Amount |
| Infrastructure Security | - | - | \$1,785 |
| Infrastructure Assessments and Security | - | - | \$1,785 |
| Program Change 29 - Threat Analysis and Response | (19) | (10) | (\$34,000) |
| Cybersecurity | (19) | (10) | (\$34,000) |
| Cyber Operations | (19) | (10) | (\$34,000) |
| Program Change 30 - Vulnerability Management | 29 | 15 | \$20,806 |
| Cybersecurity | 29 | 15 | \$20,806 |
| Cyber Operations | 29 | 15 | \$20,806 |
| Total Program Changes | (66) | (40) | (\$137,342) |

Program Change 1 – Additional Protective Security Advisor Regionalization Effort Hires:

Description

The FY 2021 request includes an increase of 158 Positions, 143 FTE, and \$21.6M to meet the demand of our stakeholders for the critical services that Protective Security Advisors (PSA) provide. CISA provides proactive engagement with SLTT government mission partners and the private sector to protect the Nation's critical infrastructure through PSA outreach. The PSAs and regional staff are located across the United States in the localities where critical infrastructure is built, operated, and maintained. They serve as onsite critical infrastructure and vulnerability assessment specialists for the Department, while providing a local perspective to the national risk picture by identifying, assessing, and monitoring the risk to critical infrastructure at the State, local, and regional levels. They develop, implement, and provide national coordination for protective programs and facilitate critical infrastructure response and recovery from all hazards. Regional staff support planning and operational efforts, and tailor the delivery of services directly to stakeholders in communities. The base for the Integrated Operations/Regional Operations/Security Advisors under which Protective Security Advisors resides was 246 FTP, 178 FTE, and \$61.1M.

Justification

PSAs deliver services to raise the level of security for critical infrastructure, soft targets, and crowded places to address risks from terrorism and other adversarial threats. This includes improving the critical infrastructure community's ability to prevent, protect against, respond to, and mitigate terrorist attacks, insider threats, and other threats through capacity building, information sharing, decision support, analysis, exercises, regulatory compliance, and training. CISA currently has 116 PSAs spread across the United States, which is approximately 2 PSAs per State. While in certain smaller states, having 2 PSAs may be appropriate, in most states the demand for PSA services far exceeds what can be provided. Services such as Regional Resiliency Assessment Program that can be focused on something like a State's fuel resiliency can take several months to complete. During emergencies, one or more PSAs may be focused full time (beyond an 8 hour day) over the course of several days or weeks to work with State Incident Management Assistance Teams and Emergency Operations Centers to address cascading impacts to critical infrastructure from loss of

services or to assist in restoration of damaged facilities with a focus on lifeline infrastructure. One PSA per State could almost entirely fill their year just by participating in the many Federal Task Forces, Federal Working Groups, State Level Collaboration/Information Sharing Groups, County/local level working groups, and non-profit/Industry working groups where CISA's input via a PSA is critical.

Performance

By increasing our number of PSAs, CISA will significantly increase the population receiving these critical services and provide the reach needed to better address specific National priorities such as elections, soft targets, and school safety.

Program Change 2 –Awards Spending Increase:**Description**

The FY 2021 Request includes an increase of \$3.9 for Awards Spending.

Justification

Consistent with this guidance, the FY 2021 Request increases awards spending to support strategic workforce development. On July 12, 2019, OMB issued Memorandum 19-24 *Guidance on Awards for Employees and Agency Workforce Funding Plan*. This Memorandum directs agencies to review and update their current awards spending plans in order to: 1) support the strategic use of awards and recognition throughout the year; 2) address workforce challenges and recognize high performing employees; and 3) recognize those employees with talent critical to the mission achievement.

Performance

The FY 2021 Budget supports the agency workforce planning requirements by providing a one percent increase for award spending. The additional funding will help drive positive behavior by recognizing accomplishments of agency personnel, thereby fostering a culture of recognition.

Program Change 3 - CFATS:**Description**

The FY 2021 request includes a reduction of 288 Positions, 229 FTE, and \$68.1M for the CFATS program. The base for the CFATS program is 288 Positions, 229 FTE, and \$68.1M.

Justification

In FY 2021, the President's Budget eliminates funding for the CFATS program whilst simultaneously increasing funding significantly for the Protective Security Advisors (PSA) program. This will allow CISA to provide voluntary support for chemical production facilities without the unnecessary burden of regulatory requirements, placing the chemical sector on par with how CISA interacts with all the other critical infrastructure sectors for which CISA has oversight.

Performance

The Administration's decision to bring the chemical sector in line with the other sectors is a credit to the success of the CFATS program, as well as an acknowledgement that the mission is largely complete. The CFATS program has successfully established mature, collaborative relationships with the chemical sector and operators which has seen tremendous progress in upgrading and enhancing the security of chemical facilities. Protecting the Nation's high-risk chemical infrastructure from the threat of terrorism is a key CISA mission. CISA is responsible for protecting all critical infrastructure from all arising threats and this shift of funds from regulation to risk advisement will allow CISA to maintain its engagement with its chemical facility partners in a robust manner.

Program Change 4 - CISA Application Cloud:**Description**

The FY 2021 request includes an increase of \$4.0M for a CISA Cloud Platform that will allow enterprise services to be developed within a CISA enterprise enclave. These funds will support the establishment of the cloud environment platform, development of the initial cloud application, security accreditation and the process improvements needed to allow for a modernized, flexible, and shortened governance process. There is no base for this program.

Justification

The CISA Cloud Platform would provide CISA with a significantly enhanced and streamlined capability to shorten the governance process timeline for deploying new software capabilities. Currently, CISA IT System Owners individually navigate the IT governance, engineering, security, and other documentation processes without gaining any economies of scale, leveraging process efficiencies or reducing the duplication of effort. Each system is typically hosted, managed, and operated separate from the others. The CISA Cloud Platform will provide a secure, compliant enclave serving as a common Cloud Core environment by which the system owners can migrate and manage their capabilities at the application level. The CISA Cloud Platform will be certified and accredited solution that has already undertaken many of the upfront acquisition and security activities, thereby alleviating system owners to repetitively exhaust resources on the same activities across the board. This will result in cost and time savings across the Enterprise as well as allow CISA System Owners to deliver capabilities quicker. As threats continue to evolve at a rapid pace and our public partnerships continue to expand we need to ensure that we are delivering modern, scalable, secure capabilities as quickly as possible.

Performance

The CISA Cloud Platform will create efficiencies and save time through uniform Governance processes, save costs by leveraging shared resources and enhance security through centralization. Shortening the governance timeline has two direct impacts on performance: it allows mission programs to field new capabilities much sooner to meet emerging operational needs, and it allows the limited governance staff to focus their resources on higher risk efforts.

Program Change 5 - CISA Gateway O&S:**Description**

The FY 2021 request includes a decrease of \$1.6M to the CISA Gateway program (formerly called the Infrastructure Protection Gateway). This program change represents the net of two elements:

- An increase of \$0.2M to support the dual operations of the CISA Gateway in its legacy hardware-based environment during the transition to the cloud.
- A decrease of \$1.8M in line with the program's Life Cycle Cost Estimate (LCCE) as the focus of CISA Gateway funds are shifted to PC&I to support the development and procurement of mobile capabilities and a cloud-based solution that provides situational awareness, data analytics, and reporting capabilities.

The base for the overall Infrastructure Information and Sensitive Data Protection program, through which the CISA Gateway program is funded, is 61 Positions, 52 FTE, and \$19.2M.

Justification

This program change will support current CISA Gateway operations and permit the appropriate level of funding in PC&I for the transition to the cloud which is anticipated to occur by the end of FY 2021.

Performance

Performing the transition to the cloud allows for the modernization of the system in an efficient, dynamic, and scalable computing environment that adheres to current governance and regulations. It will also allow for the progression to a new investment in future years. This migration will facilitate future planning efforts to build a mobile and dynamic environment and increased the ability to perform data analytics. Performing dual operations of the CISA Gateway allows for the validation of the successful migration of services and data to the new cloud-based environment prior to decommissioning the hardware-based

Program Change 6 – CISA Regional Operations:**Description**

The FY 2021 request includes a reduction of 15 Positions, 8 FTE, and \$1.6M for CISA Regional Operations. The base for Infrastructure Security/Infrastructure Assessments and Security was 197 Positions, 170 FTE, and \$102.8M.

Justification

The FY 2020 Appropriations Act provides an increase of \$1.6M to provide additional support to Regional Operations. The FY 2021 President's Budget prioritizes targeted increases for the Protective Security Advisors program and the Cybersecurity Advisors over the more generalized support. CISA does not believe that there is a mission need for general Regional Operations staff, instead CISA supports the current field model.

Performance

The level of funding in the President's Budget for Regional Operations is adequate and appropriate for CISA to appropriately perform its mission requirements.

Program Change 7 - Continuity, Regionalization, and Devolution Out of Area:**Description**

The FY 2021 request includes an increase of \$3.1M for technical equipment upgrades and refresh for Continuity of Operations Plan (COOP) and Devolution sites: including Mount Weather (VA), Denver (CO), Corry Station (FL) and Chicago (IL). The refresh activities include: secure video teleconference (SVTC) upgrades, touch panels (ATO system compliant), Viper phones, microphones, collaborative tools consisting of 24v monitors, and software updates. The base for the Business Continuity and Emergency Preparedness program is 13 Positions, 11 FTE, and \$2.9M.

Justification

COOP, Devolution, and Reconstitution requirements outlined in NSPD-51/HSPD-20-FCD-1 and Department Guidance require consistent and continuous communication capabilities. This will address known existing technical equipment deficiencies that impact essential communications at Mount Weather EOC. Previously NPPD was granted a conditional ATO with waivers. The current suite of equipment was unable to meet the security requirements for an ATO. This funding will allow CISA to ensure compliance with ATO security requirements (required for capital IT investments).

Performance

The current COOP site equipment has exceeded its lifecycle and started to deteriorate, jeopardizing mission performance. Refresh is required to ensure CISA Continuity of Operations, Devolution, and out of area leadership capabilities. The proposed strategy is to refresh the equipment and then implement a 20 percent per year lifecycle refresh beginning in FY 2022 in order to avoid spikes in funding requirements to overhaul equipment every 5-7 years. Within the DHS Orders of Succession, CISA leadership require seamless communication capabilities (internally/externally). Current mission requirements dictate that CISA maintain operational capabilities that provide situational awareness, information sharing, and decision support internally and externally.

Program Change 8 - Continuous Diagnostics and Mitigation (CDM):**Description**

The FY 2021 request includes an increase of 22 Positions, 22 FTE, and a reduction of \$5.4M to align the CDM program to its acquisition life cycle cost requirements offset with the reduction from the increase in the FY 2020 Enacted. In FY 2020 Congress provided an increase of \$16.6M to CDM of which only \$11.1M is needed for FY 2021 requirements. This results in a net decrease of \$5.4M. The increase in positions is associated with 22 new positions requested in FY 2021. The base for this program is 84 Positions, 64 FTE, and \$111.5M.

Justification

The requested funding will provide the necessary resources to complete all planned activities relating to CDM in FY 2021. Specifically, funding will allow CDM to provide agency dashboards near real-time awareness of their agency's cybersecurity posture and maintain a Federal Dashboard, which receives summary data feeds from agency dashboards to provide increased visibility into the Federal cybersecurity posture. Additionally, the funding will support the CDM Asset Management to continue to enable Departments and agencies to manage identified assets and properly configure them, so they are no longer open to attack. It will also support continued activities to strengthen Identity and Access Management, including privileged management for select administrators. Resources will also support the CDM Network Security Management capability deployment, focusing on boundary protection, managing and preparing for events and incidents, and strengthening lifecycle security management. Finally staff will be used to deliver better protection to agency High Value Asset networks.

Performance

The program will be able to provide needed capabilities to further protect agency networks against sophisticated cyber-attacks. Funding will allow agencies to adequately protect their perimeters, detect/respond to cyber incidents, and gain visibility into their networks to reduce cyber threats.

Program Change 9 - Cyber Engagement Programs:**Description**

The FY 2021 request includes a reduction of 1 Position and \$2.6M for cybersecurity engagement programs. The requested FY 2021 resources will support CISA's effort to address the national cybersecurity workforce shortage and Federal-wide workforce development and continuing education. The base for Cybersecurity/Cyber Operations/Capacity Building, in which Cyber Education and Awareness resides, is 73 Positions, 103 FTE, and \$119.0M.

Justification

The FY 2021 President Budget represents a shift in emphasis away from the Cultivating a Non-Traditional Workforce initiative funded in the FY 2020 Appropriations Act in favor of further expanding cybersecurity training capabilities and management infrastructure to keep pace with demand and influence the cyber workforce pipeline. The net result of this shift is a small program decrease. CISA will expand its training infrastructure and identify the best ways to provide cybersecurity course curriculum to Federal Civilian Executive Branch.

To support this effort, education and training program maturation in FY 2021, CISA will identify and apply resources to support technical skill development, cybersecurity executive development, and a skills validation program. The areas that the additional resources will be used to stand up are:

- Cybersecurity Training
 - Research, design, development and delivery of new cybersecurity training capabilities and courses.
 - Enhancements to existing cybersecurity training courses.

- Cyber Academy
 - Develop standardized curriculum for entry-level Cybersecurity professionals
 - Identify and deliver education to Federal Employees
 - Cybersecurity Rotational Program (Implementation of President's Executive Order)
 - Knowledge Transfer/Development program for cybersecurity practitioners
 - Academy is baseline/introductory cybersecurity training
 - Reskilling includes 13-16 weeks of training and education followed with nine months of apprenticeship to provide Federal workers adequate experience to qualify for an IT specialist 2210
- Cyber Institutes
 - Continue buildout and identification of various instates which will provide specialized skills for select fields of cybersecurity (i.e. Digital Forensics, Incident Response, Penetration Testing, Industrial Control Systems, etc.)
- Presidents Cup Challenge
 - Execution of Presidents Cup
 - Individual and Group Preliminary and Final Rounds
 - Planning for future Presidents Cup Competition
 - Game design, build out logistics, etc.
 - Expansion into other competitions
- Partnerships
 - Acquisition strategy implementation and coordination
 - Stakeholder Outreach

Performance

These resources will ensure the completion, outreach and awards for the Presidents Cup Cybersecurity competition, research and development into additional cyber competitions, the completion of a Cyber Reskilling Cohort, as well as updates to at least 10 current cybersecurity training courses. Resources will also augment CISA's ability to provide support and industrial control systems (ICS) and enterprise cybersecurity training. Capabilities include: Specialized ICS training content; six (6) ICS training courses at the 301/401 level for 1,000 students; four (4) ICS regional cybersecurity courses; increased cybersecurity exercise engagement; and instructional systems design expertise to design and develop entry level, intermediate, and advanced cybersecurity training curricula.

Program Change 10 - Cyber Security Advisors:

Description

The FY 2021 request includes decrease of 16 Positions, 8 FTE, and \$5.0M. The FY 2020 Appropriations Act provided significant increases to the Cybersecurity Advisors (CSA) program including \$13M in the Cyber Infrastructure PPA for 50 additional CSAs. Because of the timing of the FY 2020 Appropriations Act, the FY 2021 President's Budget offsets these increases against the intended request for 34 new CSAs above the FY 2020

President's Budget, which results in an apparent overall decrease of 16 positions and \$5.0M. The requested level of CSAs will allow CISA to provide cybersecurity services to underserved geographic areas and stakeholder bases and to focus on critical functional cybersecurity issues such as election infrastructure. The base for the the Cybersecurity Advisors program is 80 Positions, 48 FTE, and \$19.9M.

Justification

The requested level of CSAs will directly improve the ability of CISA to provide cybersecurity information and services to critical stakeholders such as State and local election officials. The formation of the election subsector and the impactful role that CSAs played in national preparations for the 2018 midterm elections has significantly increased the already high demand for CSA services. Further development of the CSA program will expand additional geographic coverage, provide a more mature risk analysis and measurements capability, and provide an increased ability to support special projects and national level events. The requested resources are appropriate to enhance the following activities: Cyber Preparedness including assessments, training, exercises, and workshops; Cyber Risk Mitigation, including working groups; Incident and Information Request Response Coordination, including incident response coordination and information request response; and DHS Policy Promotion and Situational Awareness including leadership situational awareness and policy promulgation.

Performance

A CSA field force of 64 positions will position CISA to service key components of our infrastructure that had previously been without a consistent CSA presence. With the requested level of personnel, the CSA program will be able to scale to the demands of existing CISA stakeholders and will expand CISA's reach into previously underserved sectors. The program will be able to increase cybersecurity and resiliency assessments to over 500 per year. CSA engagements with stakeholders (e.g., Working Group Support, Strategic Messaging, Stakeholder Cyber Preparedness, Partnership Development, Incident Coordination etc.) will increase to over 4,000 per year. These CSAs will also act as an information gathering mechanism for the NRMC that will allow for a more accurate estimation of national cyber capabilities and cyber risk as well as a more robust partnership with critical infrastructure partners for the agency. Resources will also provide regional program support expenses (e.g., rent, security services, IT support) for the 10 CISA regional offices while continuing to deliver training, exercises, and assessments to CISA's variety of stakeholders.

Program Change 11 – CyberSentry:**Description**

The FY 2021 request includes an increase of \$4.0M for Cyber Sentry due to changes from the FY 2020 Enacted. The base for Cybersecurity/Cyber Operations/Threat Hunting, in which CyberSentry resides, was 181 Positions, 152 FTE, and \$148.4M.

Justification

Critical infrastructure organizations are increasingly connected to business networks and the internet, making them valuable targets for adversaries of the United States. As such, U.S. organizations are experiencing network intrusions at an increasing frequency. As the national leader in industrial control systems (ICS) security, CISA must grow its capacity and capability to stay ahead of emerging risks and better support critical infrastructure. To enhance detection of threats, DHS will continue to pilot the CyberSentry program extending services across the country on a permanent basis.

Performance

DHS's CyberSentry pilot effort will deploy network sensor systems at volunteer companies' boundary between their control systems network and corporate network, providing a new level of reliable threat and event data for the entity and DHS. This will increase the speed of information sharing with DHS and produce real-time, actionable information directly to companies that are currently vulnerable to malicious attacks in a more timely and effective manner. Funds will be used to procure and install sensors, provide system integration support, and provide contractor support for coordinating with participating organizations.

Program Change 12 – Cybersecurity Services for Critical Infrastructure Sectors:**Description**

The FY 2021 request includes a decrease of \$3.0M for Cybersecurity Services for Critical Infrastructure Sectors

Justification

The FY 2020 Appropriations Act provided an increase of \$3.0M to provide additional cybersecurity support for non-election critical infrastructure sectors. The additional support ensured that CISA was able to maintain support for non-election infrastructure sectors during a Presidential election year when election support would be such a significant emphasis.

Performance

The reduction of \$3.0M will not have a negative impact on performance as the increased, supplemental, dedicated support for non-election sectors is not necessary during a non-election year.

Program Change 13 - Financial System Modernization:**Description**

The FY 2021 request includes 1 Position, 1 FTE, and \$0.8M for the Financial System Modernization Project (FSM) project to support CISA's need to modernize and implement an integrated financial, procurement, and asset management system to minimize the need for customization and manual workarounds. There is no funding in the base for Financial Systems Modernization.

Justification

CISA requires additional appropriated funding to achieve the mandated project activities defined by the DHS directives and Program Office for various phases of the FSM project.

Performance

Transition to a modern financial management system will result in the elimination of unnecessary customizations, easier adoption of best practices, and increased use of standard government processes that will allow CISA to focus more on its core mission. The transition will increase productivity, reduce response time and manual errors, strengthen controls including segregation of duties, improve system security, and reduce rework. If the

request is not approved, CISA will continue with numerous workarounds, compensating controls, and manual processes that are costly, complex, and resource intensive to maintain. CISA will face increased risk for control failures and continued material weakness findings in annual audits, as well as continued difficulty adhering to Federal laws, regulations, guidelines and requirements. Insufficient funding for CISA's FSM effort could cause missed deadlines that would delay the department's implementation schedule, potentially impacting other DHS components.

Program Change 14 – First Responder Emergency Medical Communications:**Description**

The FY 2021 request includes a reduction of \$2.0M for First Responder Emergency Medical Communications. The base for this program is \$2M.

Justification

The FY 2020 Appropriations Act provides an increase of \$2.0M for CISA to administer projects that aid SLTT governments in implementation of the National Emergency Communications Plan (NECP) and demonstration of emergency medical communication in rural areas. The NECP recognizes the broader nature of emergency communications, which includes interoperable communications for emergency medical personnel.

Performance

CISA prefers to spend its Emergency Communications funding on the highest risk initiatives, if emergency medical communications is a high-risk area, the Office of Emergency Communications will allocate its resources towards this initiative within its operating budget.

Program Change 15 - G-Invoicing Solution:**Description**

The FY 2021 request includes an increase of \$0.3M for system interface costs associated with the implementation of the Treasury mandated G-Invoicing platform by all Federal Program Agencies (FPAs). There is no funding in the base for G-Invoicing.

Justification

In the Performance, Orders, and Funds Settlement stages of the Intragovernmental Transaction (IGT) Buy/Sell lifecycle, interfaces between the mandated Treasury G-Invoicing system and CISA's Federal Financial Management System (FFMS) are necessary to ensure financial and accounting transactions are completed efficiently and in accordance with applicable United States Standard General Ledger (USSGL) and accounting standards. Additionally, a lack of interface is detrimental to the current IGT Buy/Sell processes across CISA and will result in the need for additional personnel because it will add redundancies and manual efforts by OCFO staff. The system interfaces should be considered a critical function in terms of implementing the G-Invoicing platform for CISA.

Performance

In order for the CISA CFO to successfully implement G-Invoicing by the June 30, 2021 mandated deadline, there are system interfaces that must occur to ensure the full lifecycle of the IGT Buy/Sell process operates appropriately. The interface that must occur is between the G-Invoicing platform and the FFMS. Immigrations and Customs Enforcement (ICE), as CISA's financial service provider, has determined an estimate required for

the interface, which is \$0.3M. The requirement for these additional program dollars are considered a must pay given that Treasury is mandating the implementation of G-Invoicing, and the lack of system interfaces would result in notable deficiencies in the ability for CISA to carry out IGT Buy/Sell transactions in each stage of the lifecycle.

Program Change 16 – Industrial Control Systems:**Description**

The FY 2021 request includes a reduction of \$11.4M for Industrial Control Systems due to changes in the FY 2020 Enacted. The base for Cybersecurity/Cyber Operations/Capacity Building, in which Industrial Control Systems resides, was 103 Positions, 73 FTE, and \$119M.

Justification

The FY 2020 Appropriations Act provided an increase of \$11.4M for Industrial Control Systems. This funding enabled CISA to accomplish many of the objectives outlined in its ICS strategy including: preparing for emerging technologies on ICS security; identifying and mitigating vulnerabilities in ICS products; and identifying and encouraging early adoption of ideal baseline architectures and configurations for different ICS environments. The National Security Council also tasked CISA to lead the development of an integrated and enduring whole of community approach to drive strategic cybersecurity improvements for ICS, leading to the development of the Control Systems Interagency Working Group (CSIWG). The CSIWG is tasked to integrate and align Federal ICS resources to secure ICS; and establish a whole of community framework to jointly address ICS risks. In FY 2021, CISA will incorporate the knowledge gained in prior years into baseline risk management activities/capabilities, and will leverage existing relationships with ICS stakeholders/partners to remain engaged in the joint ICS security vision.

Performance

The level of funding in the President's Budget for Industrial Control Systems is adequate and appropriate for CISA to appropriately perform its mission requirements.

Program Change 17 – Infrastructure Security Personnel:**Description**

The FY 2021 request includes a reduction of \$2.3M for Infrastructure Protection for increases in FTE in the FY 2020 Enacted. The base for the Infrastructure Security/Infrastructure Assessments and Security, in which increase in IP FTE resides, was 170 Positions, 197 FTE, and \$102.8M.

Justification

The FY 2020 Appropriations Act included an increase of \$2.3M for personnel in the Infrastructure Security Program and the regional operations. Because of the timing of the FY 2020 Appropriations Act, this increase was not included in the FY 2021 President's Budget Request.

Performance

The level of funding in the President's Budget for Infrastructure Security Personnel is adequate and appropriate for CISA to appropriately perform its mission requirements.

Program Change 18 - National Cybersecurity Protection System (NCPS):**Description**

The FY 2021 request includes a reduction of \$22.0M to the NCPS program. The base for the NCPS program was 176 Positions, 151 FTE, and \$300M.

Justification

The operations and support requirements for acquisition programs fluctuate over time depending on the work required. Continuing into FY 2021, NCPS is transitioning capabilities to use commercial and .gov cloud services to the greatest extent possible, ultimately reducing infrastructure that is currently hosted within the DHS Data Centers and Pensacola. This reduction will require the program to slow down the projected transition of capabilities to the cloud and extend the cloud migration period into FY 2022 and FY 2023. The remaining costs for NCPS in FY 2021 are driven by the deployment of newly developed information sharing and intrusion prevention capabilities into the operational environment and includes the costs of the supporting infrastructure, such as the Mission Operating Environment (MOE), to operate these newly deployed capabilities. The program will continue providing near real-time protection and information to Federal Civilian Departments and agencies, cyber centers, and other Federal, State and local authorities and continue building on already deployed capabilities and expand access to DHS threat information and analysis.

Performance

NCPS program operations will continue to satisfy its operations and sustainment requirements to adequately address emerging cyber threats.

Program Change 19 – NISAC:**Description**

The FY 2021 request includes a reduction of \$9.7M for the National Infrastructure Simulation Analysis Center (NISAC). The base for the NISAC is \$18.8M in the FY 2020 Enacted Budget.

Justification

The FY 2020 Appropriations Act provided an increase of \$9.7M for NISAC. NISAC conducts modeling, simulation, and analysis of the Nation's critical infrastructure. NISAC analysts assess critical infrastructure risk, vulnerability, interdependencies, and event consequences.

Performance

The level of funding in the President's Budget for NISAC is adequate and appropriate for CISA to appropriately perform its mission requirements.

Program Change 20 - NRMC:**Description**

The FY 2021 request includes an increase of 20 Positions, 10 FTE, and a reduction of \$5.3M to the National Risk Management Center (NRMC) to support activities relating to Elections, 5G, and Supply Chain Risk Analysis. In the FY 2020 enacted, Congress provided the NRMC with increases of

totaling \$36.8M and no positions. Programmatic requirements needed over the prior request for FY 2021 for NRMC were determined to \$31.5M and 20 positions. The net result is an increase in positions and decrease in requested amount for FY 2021. The base for NRMC Infrastructure Analysis was 148 Positions, 131 FTE, and \$82.2M.

Justification

The FY 2020 Appropriations Act provided an increase of \$34.8M for additional support to the National Risk Management Center (NRMC) to support Industrial Control Systems Risk Analysis (\$10M), Supply Chain Analysis (\$15M), and support to State and Local Governments for Election Security (\$9.8M). The FY 2021 President's Budget provides sufficient funding to fully sustain these important activities, including adding 20 new positions. NRMC's risk management efforts are aimed at collaborating and coordinating across sectors, government agencies, and industry to identify, analyze, prioritize and manage functional and cross-sector risks to the national critical functions. This funding level sustains risk management activities for three priority risks to national critical functions. These funds will enable NRMC to provide dedicated support to election security initiatives at the request of State and local election officials such as the administration of the Elections Infrastructure Information Sharing and Analysis Center, the Last Mile Project, sector management, and the development of risk limiting audit tools. Funding will also sustain the NRMC's supply chain security efforts to develop foreign dependency methodologies, a comprehensive risk scoring methodology, and to validate and verify software assurance tools for transition to use. Finally, NRMC will fund 5G testbeds to conduct pilots and develop risk analyses to analyze and address risks associated with the 5G information and communications technologies.

Performance

NRMC was only established in July 2018. As a result, the FY 2021 budget cycle is the first full budget process that has incorporated NRMC's new requirements. Funding in FY 2021 is intended to permanently close the gap between the NRMC scope of responsibility and available resources. To successfully execute on the priority risks assigned to the NRMC, the NRMC requires additional government and contractor expertise to increase the center's capability and capacity. These funds will sustain the meaningful analysis and enable active engagement across the sub-sectors to tangibly reduce risk to the national critical functions that Congress funded in the FY 2020 Appropriations Act.

Program Change 21 – OBP Train the Trainer:**Description**

The FY 2021 request includes a reduction of \$6.6M for the Office of Bombing Prevention Train the Trainer. The base for the Office of Bombing Prevention was 23 Positions, 22 FTE, and \$23.0M.

Justification

The FY 2020 Appropriations Act provided an increase of \$6.6M for the Office of Bombing Prevention to establish a Train the Trainer program, enhance the National Counter-Improvised Explosive Device Capability Assessment Database, and provide enhanced technical assistance and training capabilities to critical partners nationwide. To reduce risk to the Nation's critical infrastructure, the Office of Bombing Prevention develops and delivers a diverse curriculum of training and awareness products to build nationwide counter-improvised explosive device (IED) core capabilities and enhance awareness of terrorist threats. Coordinated through State homeland security officials and training offices, OBP courses, including the train the trainer program, educate on strategies to prevent, protect, respond, and mitigate bombing incidents.

Performance

The level of funding in the President's Budget for the Office of Bombing Prevention is adequate and appropriate for CISA to appropriately perform its mission requirements.

Program Change 22 - Privacy Office Advisors:**Description**

The FY 2021 request includes an increase of 3 Positions, 2 FTE, and \$0.3M for two junior privacy analysts and one senior privacy advisor. The base for the Privacy program is 13 Positions, 13 FTE, and \$2.4M.

Justification

Given CISA's transformation, the Office of Privacy now has full responsibility for the oversight and support of mission operations and lines of business. These new positions will provide full time support of privacy risk analysis, privacy risk management, and input into NRMC products and Stakeholder Engagement efforts and allow the Office of Privacy to work consistently with the NRMC, instead of supporting them on an ad hoc basis.

Performance

These positions would serve as the dedicated privacy team and key privacy contributors to the NRMC and its respective products. If this position is not acquired, the NRMC will not receive the dedicated privacy presence, collaboration, analysis and input that the other CISA divisions and lines of business currently have. Considering the anticipated amount of information sharing and external collaboration that will occur within the NRMC, and the potential privacy vulnerabilities associated, this position is necessary to advise NRMC staff on privacy risk management in order to safeguard information and prevent unintended privacy incidents.

Program Change 23 – Regionalization Personnel:**Description**

The FY 2021 request includes a reduction of 15 Positions, 8 FTE, and \$1.9M for Regionalization Personnel.

Justification

The FY 2020 Appropriations Act provided an increase of \$1.9M for Regionalization Personnel. The funding will provide additional capacity to support the CISA Operations Center, Emergency Support Function (ESF-14), and to upgrade the current Regional Directors responsible for the execution and delivery of CISA services in the field.

Performance

The level of funding in the President's Budget for Regionalization Personnel is adequate and appropriate for CISA to appropriately perform its mission requirements.

Program Change 24 – SLTT Cyber Information Sharing Pilot:**Description**

The FY 2021 request includes a reduction of \$3.0M SLTT Cyber Information Sharing Pilot due to changes in the FY 2020 Enacted. The base for Cybersecurity/Cyber Operations/Vulnerability Management, in which SLTT Cyber Information Sharing Pilot resides, was 148 Positions, 99 FTE, and \$129.9M.

Justification

The FY 2020 Appropriations Act provided an increase of \$3.0M to establish a pilot Cyber Information Sharing program for SLTT partners. Information sharing is essential to the protection of critical infrastructure and to furthering cybersecurity for the Nation. As the Federal agency responsible for the protection of critical infrastructure and the furthering of cybersecurity, CISA develops partnerships and shares critical information with SLTT governments.

Performance

The level of funding in the President’s Budget for Human Capital Support is adequate and appropriate for CISA to appropriately perform its mission requirements.

Program Change 25 – School Safety/Soft Target**Description**

The FY 2021 request includes a reduction of 6 Positions, 3 FTE, and \$3.0M to support CISA’s School Safety initiatives, including stewardship of the Federal School Safety Clearinghouse, the expansion of existing school security activities, and the development of additional resources and materials for safety offset by changes from the FY 2020 Enacted.

Justification

The FY 2020 Appropriations Act provided an increase of \$5.0M to continue CISA’s efforts to improve the security of soft targets and crowded places including its stewardship of Federal School Safety Clearinghouse. It is estimated that only \$2M will be required for the Federal School Safety Clearinghouse in FY 2021. With the resources in FY 2021, this will enable CISA’s school safety taskforce to design and deliver cost-effective capacity building efforts within schools, school districts, and the surrounding communities that provide our children with a safe and secure learning environment and prevent future horrific school tragedies. The requested funding level will directly enable CISA to establish and manage the Federal School Safety Clearinghouse (Clearinghouse) and its website SchoolSafety.gov, a chief recommendation from the Federal Commission on School Safety report, and an operation which the White House designated to DHS to lead in FY 2019. SchoolSafety.gov will serve as a one-stop shop for schools, school districts, local law enforcement, students, parents, and others to find curated information on school security best practices, technologies, and other resources.

The base funding of \$2.0M would support CISA's continued management and administration of the Federal School Safety Clearinghouse, the expansion of existing school security activities, and the development of additional resources and materials for safety, to include consideration of placement of regional advisors for this purpose. At this funding level, CISA would maintain the Federal School Safety Clearinghouse website (SchoolSafety.gov), manage the Clearinghouse editorial board, review additional materials for inclusion in the Clearinghouse, identify additional school security knowledge and resource gaps and develop guidance and tools to fill those gaps, and facilitate outreach to the school security stakeholder community to share knowledge of the best practices identified by the Clearinghouse.

Performance

The FY 2021 requested funding level would support creation and management of the Federal School Safety Clearinghouse, and position CISA to coordinate school safety content and training resources across four partner agencies, and across the Homeland Security enterprise. Through the Clearinghouse, CISA will coordinate creation and dissemination of capacity building content and training from the Departments of Homeland Security, Justice, Education, and Health and Human Services. In addition, CISA will administer an interagency advisory process designed to support and inform an annual review of school safety research, content development, and content delivery to identify gaps and needed improvements for school community partners. Finally, in accordance with guidelines from the US Digital Service within OMB, CISA will utilize these identified resources to accomplish future generation enhancements to SchoolSafety.Gov.

Program Change 26 - Shared Cybersecurity Services Marketplace:**Description**

The FY 2021 request includes an increase of 14 Positions, 7 FTE, and a reduction of \$4.1M to fulfill OMB's requirement for CISA to establish a Cybersecurity Quality Service Management Office (QSMO) for the Federal Civilian Executive Branch offset by changes due to the FY 2020 Enacted. The FY 2020 Appropriations Act provided an increase of 12 positions and \$25.1M to continue establish a cybersecurity shared services office. It is estimated that only \$21.0M will be required for the sustain this effort in FY 2021. The increase in positions is due to an additional 26 new positions needed for a shared cybersecurity marketplace in FY 2021 . The base for Cybersecurity/Cyber Operations/Capacity Building, in which Shared Cybersecurity Services Marketplace resides, was 103 Positions, 73 FTE, and \$119M.

Justification

Maturity in cybersecurity varies by agency with the Federal government facing common, significant challenges in securing information technology from cybersecurity risk. CISA's mission to safeguard and secure Federal networks and support agency risk management programs underpins its designation as the Quality Service Management Office (QSMO) for cybersecurity services, per OMB Memorandum M-19-16 Centralized Mission Support Capabilities for the Federal Government. As the Federal government's operational cybersecurity lead for the Federal .gov, CISA is centralizing, standardizing, and delivering best in class cybersecurity capabilities to agencies through CISA-offered services as well as shared services provided by select Federal agencies or commercial providers. CISA will develop service standards, evaluate individual offerings, and oversee a marketplace of qualified cybersecurity services to Federal customers to ensure performance effectiveness, and most importantly, agency customer satisfaction.

Performance

FY 2021 funding will:

- establish a storefront and marketplace to provide cybersecurity shared services such as Security Operations, Vulnerability Disclosure, and Protective DNS Resolver to the Federal Civilian Executive Branch;
- pilot and test shared services solutions for Federal civilian agencies, including provider onboarding, customer onboarding, and metrics and performance management;
- provide customer experience support to ensure required cybersecurity functions and business needs are being addressed through piloted services;
- provide a continually updated shared services implementation plan and roadmap based on pilots and customer feedback; and
- produce a customer relationship management technology solution to support requirements elicitation, standards development, collaboration, and customer experience.

Program Change 27 – Standing Up CISA’s Management Structure:**Description**

The FY 2021 request includes an increase of 47 Positions, 26 FTE, and \$6.1M to strengthen CISA’s management functions and ensure that CISA has all the necessary mission support operations required by an operational component within DHS. This total includes the following:

- Office of Human Capital: 14 Positions and 8 FTE are assigned to this activity. The costs associated with the Human Capital personnel is an increase of \$1.6M, however, \$2.0M from the FY 2020 enacted is incorporated into this change, resulting in a net decrease of \$0.4M. The Human Capital personnel will be used to strengthen CISA’s hiring process, especially in the area of cyber hiring.
- Office of the Chief Acquisition Executive: 3 Positions, 2 FTE, and \$1.2M to expand program support for Cost Estimating and Information Technology Systems Engineering.
- Office of the Chief Financial Officer: 20 Position, 11 FTE, and \$2.0M to strengthen the Planning, Programming, Budgeting, and Execution (PPBE) process by establishing a robust programming capability within CISA and fully integrating performance analysis into the budgeting process to optimize efficacy. This funding will also allow CISA to strengthen procurement activities by consolidating procurement operations under a single Procurement Executive.
- Office of Capability Analysis and Requirements Development: 2 Positions, 1 FTE, and \$0.5M to establish the Office of Capability Analysis and Requirements Development at CISA to fully support the DHS Joint Requirements Council (JRC).
- Office of Administration: \$1.7M for facilities and logistics process improvements and audit remediation IT solutions.
- Office of the Chief Information Officer: 8 Positions, 4 FTE, and \$1.1M to handle increased mission support needs in architecture, engineering, data management, and governance.

The base for Mission Support is 548 Positions, 444 FTE, and \$117.1M.

Justification

With the passage of the Cybersecurity and Infrastructure Security Agency Act of 2018 (H.R. 3359) Congress established CISA as an operational agency with a unified mission and expanded organizational authorities. Previously the National Protection and Programs Directorate (NPPD) was a DHS headquarters agency and was serviced by DHS management offices. As an operational component, CISA would no longer have direct access to such resources. CISA conducted a comprehensive gap analysis to understand where structures, personnel, policies, and processes needed to be adjusted or expanded to ensure that the organization has sufficient management rigor to successfully execute against its critical mission sets.

- Office of Human Capital: The requested resources would allow the Office of Human Capital's to accelerate recruiting, onboarding, and assimilating new employees by expanding the expertise, tools, and resources to build the cyber workforce of tomorrow.
- Office of the Chief Acquisition Executive: This capability will strengthen the organization's understanding of the impacts of cost/schedule/performance on the overall changes in program execution by providing expanded support for governmental oversight, training, and policy implementation.
- Office of the Chief Financial Officer: The requested funding would support 20 new positions (11 FTE), along with corresponding contractor support. These additional positions would mature the Planning, Programming, Budgeting, and Execution (PPBE) process in order to better integrate strategic planning into the overall budget process and ensure that the budget formation process incorporates strategic priorities and guidance. The requested positions would also expand the Financial Management Division to support the dissemination of timely, accurate, and reliable financial information to stakeholders. Finally, the new positions would provide the new CISA organization an appropriate level of staffing to consolidate and strengthen procurement operations.
- Office of Capability Analysis and Requirements Development: This request would provide the funding necessary to fully implement the Joint Requirements Integration and Management System (JRIMS) and support the DHS Joint Requirements Council (JRC), as required by DHS directives and GAO recommendations.
- Office of Administration: This request would fund a real property asset management tool, which is critical for audit remediation. CISA currently tracks its real property portfolio via excel spreadsheets. A real property asset management tool will allow CISA to capture and report out on all assets and track costs associated to the asset. It will also allow CISA to track changes to our real property assets and GSA occupancy agreements, including square footage changes, lease terms, etc.
- Office of the Chief Information Officer: This request would provide additional personnel to increase the OCIOs capacity to provide effective and efficient governance duties over the CISA IT programs.

Performance

The FY 2021 request provides funding for the tools and capabilities that CISA will need to manage the vital cyber, physical infrastructure, and communications missions entrusted to the agency.

- Office of Human Capital: These 14 positions and essential software will strengthen workforce planning and provide advanced analytical tools that inform decision making for optimized mission and business workforce operations, allowing leaderships and staffs to more effectively accomplish performance objectives. This will equip CISA with business intelligence tools to support hiring and inform tactics, techniques, and procedures to increase organizational commitment, reduce attrition, and improve morale.

- Office of the Chief Acquisition Executive: This support will allow CISA to become more streamlined in cost estimating and acquisition support capabilities. The request will move CISA to a matrixed capability model which has worked in many other organizations and has been found to reduce the timeline to complete, review, and approve cost estimates and other acquisition documentation that support decision events and future budgets for CISA acquisition programs.
- Office of the Chief Financial Officer: Through an expanded OCFO organization within CISA, the office will be able to: better align CISA's budget requests with leadership's strategic priorities in order to secure the appropriate level of resources to carry out the mission and operations of CISA through the establishment of a robust Programming function; issue clear guidance to CISA Divisions that gives direction from OCFO leadership and informs understanding of business processes that support the CISA mission space; standardize procurement processes, and better integrate procurement information into budget documentation; address increased information requests and taskings; and address gaps in training and OCFO-wide administrative issues.
- Office of Capability Analysis and Requirements Development: There is currently 1 Position dedicated to implementing all facets of the JRIMS process for CISA, which include conducting capability analyses, determining and implementing solution approaches for capability gaps, developing requirements for materiel acquisitions, and facilitating CISA submissions to the DHS JRC. CISA is also the only operational Component at DHS that currently does not have a Component Requirements Executive overseeing its implementation of the JRIMS process and representing CISA on the JRC. With 1 Position serving in multiple roles, it puts CISA at risk of being deficient in its adherence to DHS policies and GAO guidance, limits the ability to provide analytical rigor throughout the JRIMS process, decreases the frequency of training delivery and capacity building, slows the maturation of the organization in requirements development, and introduces requirements risk to CISA acquisitions.
- Office of Administration: This request will provide CISA with a reliable system for collecting critical required data relating to facilities. CISA will have the ability to automate the collection of historical data and a viable solution to assessing the condition of all systems and components in a given facility or infrastructure asset electronically. The ability to automate life cycle analysis with a system that will provide statistical performance evaluations to measure the condition of each component as to its remaining economic life is critical to cost savings to the organization and the life of an asset. Project management software helps to manage work, automate processes and collaborate across the enterprise, all from a single, intuitive platform. It will offer configurable workflow automation and in-context collaboration to create a meaningful engagement experience that allows everyone to track projects, communicate effortlessly, and provide multiple and meaningful reporting.
- Office of the Chief Information Officer: Increases to the IT Governance staff will significantly decrease delays in governance processing times experienced by CISA's mission programs. If funding for these positions is not received, then the OCIO's ability to keep pace with the increase program demands will be degraded.

Program Change 28 – Support to State and Local Governments:

Description

The FY 2021 request includes a reduction of \$9.7M for Support to State and Local Governments due to changes in the FY 2020 Enacted.

Justification

Fair and free elections are a hallmark of American democracy. The American people's confidence in the value of their vote is principally reliant on their confidence in the security and resilience of the infrastructure that makes the Nation's elections possible. CISA works collaboratively with those on the front line of elections – State and local governments, election officials, Federal partners, and vendors – to manage risks to the Nation's election infrastructure. The FY 2021 President's Budget includes an investment of \$21.0M for election support services within the cybersecurity program, which is \$9.7M less than was funded in FY 2020. These services and capabilities will include proactive vulnerability assessments of infrastructure networks and systems, technical analyses of system and equipment vulnerabilities, threat detection and response engagements, and classified and unclassified information sharing to strengthen our critical infrastructure and State and local partners.

Performance

The reduction of \$9.7M reflects changing requirements in a year that does not include a major national election and will not have a negative impact of performance. Multi-State Information Sharing and Analysis Center (MS-ISAC) grant funding recipients will need to fund their fair share of MS-ISAC.

Program Change 29 – Threat Analysis and Response:**Description**

The FY 2021 request includes a reduction of 19 Positions, 10 FTE, and \$34.0M for Threat Analysis and Response. The base for the Threat program is 181 Positions, 152 FTE, and \$148.4M.

Justification

The FY 2020 Appropriations Act provided an increase of \$34.0M to help address gaps across CISA's Threat Analysis and Response activities. Cyberspace and its underlying infrastructure are vulnerable to a wide range of risks stemming from both physical and cyber threats and hazards. Sophisticated cyber actors and nation-states exploit vulnerabilities to disrupt, destroy, or threaten the delivery of essential services. The FY 2020 funding provided support to CISA's threat focused efforts, including analysis, counter-threat product development, operations planning, operational coordination, and hunt and response teams (threat hunting).

Performance

The level of funding in the President's Budget for Threat Analysis and Response is adequate and appropriate for CISA to appropriately perform its mission requirements.

Program Change 30 - Vulnerability Management:**Description**

The FY 2021 request includes an increase of 29 Positions, 15 FTE, and \$20.8M to provide additional vulnerability assessments and services to organizations in an effort to identify and eliminate cyber vulnerabilities. The base for the Vulnerabilities Management program is 148 Positions, 99 FTE and \$129.9M.

Justification

The FY 2020 Appropriations Act provided an increase of \$58.5M to increase CISA's vulnerability management service capacity. The FY 2021 President's Budget requests an additional \$20.8M to build on and expand these critical efforts, including an additional 29 positions. CISA's Vulnerability Management component is not currently resourced to provide the technical assessment and analytic support necessary to sufficiently support mission requirements. The Federal High Value Asset (HVA) program requirements alone (174 Assessments/Year) exceeds the currently available assessment capacity, leaving Vulnerability Management unable to adequately support CISA commitments and priorities, including Oil/Gas pipeline, 5G, Supply Chain, and electric sector priorities. This request increases capacity to 380 assessments a year and represents the appropriate level of activity based on the steady-state capacity necessary for CISA to meet its commitments and requirements, provide service to priority equities, and maintain appropriate data and insight across government and critical infrastructure. The resources represent a balanced approach that would achieve the best return on investment by having CISA directly conduct the minimal number of assessments needed to ensure reliable high-quality data to formulate national policy and directives, supplemented by third party and customer self-assessed data. With over 10 years operational experience conducting Federal and private sector assessments, two key observations reinforce that this strategy is optimal to meet CISA needs:

- 1) FFRDC analysis of self-assessed data vs. data collected by DHS showed a 35% margin of error for self-reported.
- 2) While 3rd party data can be used to validate DHS hypothesis and conclusion there is too much uncertainty to use it as the basis for action, hourly bill rates and unit costs for similar services provided by industry are significantly higher than the governments cost to execute.

Performance

The assessments conducted by the vulnerability management team allow CISA to meet its mission and public commitments and provide internal components and divisions of CISA with detailed, accurate vulnerability data they need to conduct exposure, threat and risk analysis and modeling to make confident, informed, defensible decisions that will have national impact.

Operations and Support Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|---|-----------------|--------------|------------------|-----------------|-----------------|--------------|------------------|-----------------|----------------------------|--------------|------------------|-----------------|--------------------------|-----------|-----------------|----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Mission Support | 423 | 333 | \$55,196 | \$165.58 | 424 | 333 | \$69,264 | \$160 | 643 | 517 | \$98,630 | \$159.86 | 219 | 184 | \$29,366 | (\$0.14) |
| Cybersecurity | 792 | 599 | \$124,897 | \$208.51 | 959 | 757 | \$119,077 | \$157.3 | 863 | 709 | \$135,822 | \$191.57 | (96) | (48) | \$16,745 | \$34.27 |
| Infrastructure Security | 706 | 577 | \$92,397 | \$160.13 | 713 | 579 | \$89,718 | \$154.95 | 176 | 159 | \$32,748 | \$205.96 | (537) | (420) | (\$56,970) | \$51.01 |
| Emergency Communications | 137 | 113 | \$19,440 | \$172.04 | 137 | 113 | \$18,080 | \$160 | 137 | 113 | \$19,513 | \$172.68 | - | - | \$1,433 | \$12.68 |
| Integrated Operations | 411 | 354 | \$63,636 | \$179.76 | 442 | 376 | \$61,555 | \$163.71 | 603 | 514 | \$93,309 | \$181.54 | 161 | 138 | \$31,754 | \$17.83 |
| Risk Management Operations | - | - | - | - | - | - | - | - | 168 | 141 | \$27,950 | \$198.23 | 168 | 141 | \$27,950 | \$198.23 |
| Stakeholder Engagement and Requirements | - | - | - | - | - | - | - | - | 108 | 82 | \$17,623 | \$214.91 | 108 | 82 | \$17,623 | \$214.91 |
| Total | 2,469 | 1,976 | \$355,566 | \$179.91 | 2,675 | 2,158 | \$357,694 | \$158.35 | 2,698 | 2,235 | \$425,595 | \$183.27 | 23 | 77 | \$67,901 | \$24.92 |
| Discretionary - Appropriation | 2,469 | 1,976 | \$355,566 | \$179.91 | 2,675 | 2,158 | \$357,694 | \$158.35 | 2,698 | 2,235 | \$425,595 | \$183.27 | 23 | 77 | \$67,901 | \$24.92 |

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|------------------|------------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$246,885 | \$341,710 | \$338,950 | (\$2,760) |
| 11.3 Other than Full-Time Permanent | \$5,423 | - | \$295 | \$295 |
| 11.5 Other Personnel Compensation | \$10,213 | - | \$410 | \$410 |
| 11.8 Special Personal Services Payments | \$59 | \$15,984 | \$15,984 | - |
| 12.1 Civilian Personnel Benefits | \$92,986 | - | \$68,824 | \$68,824 |
| 12.2 Military Personnel Benefits | - | - | \$1,132 | \$1,132 |
| Total - Personnel Compensation and Benefits | \$355,566 | \$357,694 | \$425,595 | \$67,901 |
| Positions and FTE | | | | |
| Positions - Civilian | 2,469 | 2,675 | 2,698 | 23 |
| FTE - Civilian | 1,976 | 2,158 | 2,235 | 77 |

Operations and Support

Permanent Positions by Grade Appropriation

| Grades and Salary Range (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|---|--------------------|--------------------|-------------------------------|------------------------------|
| Total, SES | 31 | 30 | 31 | 1 |
| GS-15 | 412 | 413 | 502 | 89 |
| GS-14 | 919 | 921 | 859 | -62 |
| GS-13 | 695 | 902 | 839 | -63 |
| GS-12 | 354 | 369 | 398 | 29 |
| GS-11 | 37 | 23 | 44 | 21 |
| GS-10 | 2 | 2 | 5 | 3 |
| GS-9 | 13 | 10 | 13 | 3 |
| GS-8 | 2 | 2 | 2 | - |
| GS-7 | 4 | 3 | 5 | 2 |
| Total Permanent Positions | 2,469 | 2,675 | 2,698 | 23 |
| Unfilled Positions EOY | 2,469 | 2,675 | 2,698 | 23 |
| Position Locations | | | | |
| Headquarters | 1,968 | 1,998 | 1,939 | -59 |
| U.S. Field | 501 | 677 | 759 | 82 |
| Averages | | | | |
| Average Personnel Costs, ES Positions | 175,705 | 177,830 | 178,516 | 178,516 |
| Average Personnel Costs, GS Positions | 101,629 | 117,216 | 122,244 | 122,244 |
| Average Grade, GS Positions | 13 | 14 | 14 | 14 |

Operations and Support Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|---|------------------|--------------------|-------------------------------|-------------------------------------|
| Mission Support | \$24,707 | \$15,413 | \$42,515 | \$27,102 |
| Cybersecurity | \$657,176 | \$828,189 | \$665,853 | (\$162,336) |
| Infrastructure Security | \$110,508 | \$133,694 | \$55,359 | (\$78,335) |
| Emergency Communications | \$98,629 | \$100,921 | \$96,917 | (\$4,004) |
| Integrated Operations | \$99,216 | \$130,318 | \$73,384 | (\$56,934) |
| Risk Management Operations | - | - | \$58,368 | \$58,368 |
| Stakeholder Engagement and Requirements | - | - | \$19,897 | \$19,897 |
| Total | \$990,236 | \$1,208,535 | \$1,012,293 | (\$196,242) |
| Discretionary - Appropriation | \$990,236 | \$1,208,535 | \$1,012,293 | (\$196,242) |

Non Pay by Object Class

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|----------------------------|----------------------------|---------------------------------------|--------------------------------------|
| 21.0 Travel and Transportation of Persons | \$16,315 | - | - | - |
| 22.0 Transportation of Things | \$639 | - | - | - |
| 23.1 Rental Payments to GSA | \$28,423 | - | \$1,694 | \$1,694 |
| 23.2 Rental Payments to Others | \$1,587 | - | \$2,739 | \$2,739 |
| 23.3 Communications, Utilities, and Misc. Charges | \$2,948 | - | - | - |
| 24.0 Printing and Reproduction | \$413 | - | \$5 | \$5 |
| 25.1 Advisory and Assistance Services | \$489,203 | \$1,208,535 | \$975,172 | (\$233,363) |
| 25.2 Other Services from Non-Federal Sources | \$11,090 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$268,235 | - | \$29,975 | \$29,975 |
| 25.4 Operation and Maintenance of Facilities | \$4,827 | - | \$912 | \$912 |
| 25.5 Research and Development Contracts | \$50 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$75,614 | - | - | - |
| 26.0 Supplies and Materials | \$1,461 | - | - | - |
| 31.0 Equipment | \$72,877 | - | - | - |
| 32.0 Land and Structures | \$1,718 | - | - | - |
| 41.0 Grants, Subsidies, and Contributions | \$14,748 | - | - | - |
| 42.0 Insurance Claims and Indemnities | \$88 | - | - | - |
| 94.0 Financial Transfers | - | - | \$1,796 | \$1,796 |
| Total - Non Pay Object Classes | \$990,236 | \$1,208,535 | \$1,012,293 | (\$196,242) |

Mission Support – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|------------|-----------------|--------------------|------------|-----------------|-------------------------------|------------|------------------|-------------------------------------|------------|-----------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Mission Support | 423 | 333 | \$79,903 | 424 | 333 | \$84,677 | 643 | 517 | \$141,145 | 219 | 184 | \$56,468 |
| Total | 423 | 333 | \$79,903 | 424 | 333 | \$84,677 | 643 | 517 | \$141,145 | 219 | 184 | \$56,468 |
| Subtotal Discretionary - Appropriation | 423 | 333 | \$79,903 | 424 | 333 | \$84,677 | 643 | 517 | \$141,145 | 219 | 184 | \$56,468 |

PPA Level I Description

The Mission Support PPA within the O&S appropriation provides enterprise leadership, management, and business administrative services that sustain the day-to-day management and back-office operations. Key capabilities include: conducting agency planning and performance management, managing finances, managing the agency workforce, providing physical and personnel security, acquiring goods and services, managing information technology, managing agency property and assets, managing agency communications, managing legal affairs, and providing general management and administration.

As part of the budget structure changes incorporated into this budget, certain management and administrative functions are being consolidated into the Mission Support PPA to increase overall coordination, including the Office of the Chief Council, the Office of External Affairs, the Office of the Chief Technology Officer, the Office of Privacy, the Office of Strategy, Policy, and Plans and the National Services Support Facility Management Office.

Office of the Chief Council (OCC) Transfers

In FY 2021, CISA will be fully standing up an Office of the Chief Counsel. In previous years, funding for Department attorneys assigned to CISA was collected from the CISA Divisions and then reimbursed to the DHS Office of General Counsel through an interagency agreement. In FY 2021, all but seven attorneys will be permanently transferred to CISA. CISA is requesting the transfer of \$12.3M from across its O&S PPAs to fund the new OCC directly from the Mission Support PPA. This request includes an increase of 57 Positions and 57 FTE to the Mission Support PPA for the standup of OCC. For FY 2021, the DHS Office of the Secretary and Executive Management account displays a parallel reduction of 57 Positions and 57 FTE from CISA in the reimbursable resources table.

The External Affairs Office Transfers

The External Affairs office develops and implements a coordinated communications strategy across CISA and DHS. External Affairs consists of four branches: Legislative Affairs, Public Affairs, Public Engagement, and Strategic Communications. In addition, External Affairs has assigned team members that support core portfolios aligned to the subcomponents. In FY 2021, CISA transfers these activities to the Mission Support PPA.

Office of the Chief Technology Officer (CTO) Transfers

The CTO works to guide CISA cybersecurity programs toward a common vision that advances mission capabilities, data architecture efforts, and strategic technologies. The CTO accelerates the adoption of technologies, international standards, and specifications to promote rapid technical innovation and enable information-sharing to improve the effectiveness of cybersecurity solutions. In FY 2021, CISA transfers these activities to the Mission Support PPA.

The Privacy Office Transfers

The Privacy office works to integrate full individual privacy and civil liberty protections to ensure safety and security. In FY 2021, CISA transfers these activities to the Mission Support PPA.

Office of the Strategy, Policy, and Plans (SPP) Transfers

SPP is the focal point within CISA for strategic planning activities and developing and implementing Component-level strategy, policy, and planning activities that enable the enterprise strategic management process. SPP systematically leads the development of integrated strategic, resource, and programmatic planning guidance, promoting the integration of policy and strategy across all of CISA's mission areas and ensuring appropriate CISA representation and cooperation with the DHS Office of Policy. As part of this overall responsibility, SPP manages external audits and inspections in order to support senior leadership and guide operations to enhance the resilience of the Nation's physical and cyber infrastructure. In FY 2021, CISA transfers these activities to the Mission Support PPA. In previous years SPP also coordinated CISA's international policy, strategy, plans and engagements. In FY 2021, this responsibility is being transferred to the Stakeholder Engagement PPA to ensure coordination with CISA's other external stakeholder activities.

National Services Support Facility Management Office Transfer

The National Services Support Facility Management Office oversees logistics, administration and management of CISA's cybersecurity support facility at Corry Station, Pensacola in Florida. The Management Office is charged with the day-to-day building management operations to include the coordination and execution of all emergent and preventative facility maintenance actions, planning of numerous facility expansion/capability improvement projects, management of all Pensacola site contract actions, Government P-card purchasing, and budgeting/spend plan development. The Management Office coordinates all required actions with the Department of the Navy in accordance with CISA's land-use agreement and other Host/Tenant requirements on-board Corry Station. In FY 2021, CISA transfers these activities to the Mission Support PPA.

Mission Support – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|-----------------|-----------------|------------------|
| Enacted/Request | \$79,903 | \$84,677 | \$141,145 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | - | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$79,903 | \$84,677 | \$141,145 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$79,903 | \$84,677 | \$141,145 |
| Obligations (Actual/Estimates/Projections) | \$79,903 | \$84,677 | \$141,145 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | 423 | 424 | 643 |
| Enacted/Request FTE | 333 | 333 | 517 |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | 428 | 424 | 643 |
| FTE (Actual/Estimates/Projections) | 338 | 333 | 517 |

Mission Support – PPA Summary of Budget Changes

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|--|------------|------------|------------------|
| FY 2019 Enacted | 423 | 333 | \$79,903 |
| FY 2020 Enacted | 424 | 333 | \$84,677 |
| FY 2021 Base Budget | 424 | 333 | \$84,677 |
| Realignment for OCC from various | - | - | \$12,303 |
| Realignment for PPA from ISD/MS/MS/MS to IOD/RO/Coordination & Service | (10) | (7) | - |
| Realignment for PPA to ISD/MS/MS/SPP from ISD/IO/SPP/SPP | 11 | 11 | \$3,961 |
| Realignment for PPA to MBS/MS/MS/CTO from CSD/C/FC/CDM | 2 | 2 | \$546 |
| Realignment for PPA to MBS/MS/MS/CTO from C/CIR/CTI | 13 | 13 | \$9,485 |
| Realignment for PPA to MBS/MS/MS/External Affairs from OOD/IO/SER/EA | 43 | 38 | \$6,968 |
| Realignment for PPA to MBS/MS/MS/Privacy from OOD/IO/SER/Privacy | 11 | 11 | \$2,376 |
| Realignment for PPA to MBS/MS/MS/SPP from OOD/IO/SPP/SPP | 25 | 20 | \$4,662 |
| Realignment for PPA to MS/MS from C/FC | - | - | \$34 |
| Realignment for PPA to MS/MS from IO/SPP | - | - | \$300 |
| Realignment for PPA to MS/MS from IP/ISC | - | - | \$35 |
| Realignment for PPA to MS/MS from IO/SER | - | - | \$106 |
| Realignment for PPA to MS/MS from OS/OBIM/MS | 9 | 9 | - |
| Realignment for PPA to MS/MS/NSFM from CSD/CRR/NCCIC Ops | 3 | 3 | \$1,707 |
| Realignment for PPA to MS/SPP from CS/IO/SPP/SPP | 17 | 11 | \$2,246 |
| Transfer for Background Investigations from MGMT/OCISO to CISA/Mission Support | 5 | 5 | \$776 |
| Transfer for OBIM from CISA/MS to MGMT/OBIM | (18) | (18) | (\$2,929) |
| Total Transfers | 111 | 98 | \$42,576 |
| 2020 Pay Raise | - | - | \$2,600 |
| 2021 Pay Raise | - | - | \$599 |
| FERS Agency Contribution | - | - | \$692 |
| Office of the Chief Counsel (OCC) from O&S/MS to O&S/MS | 57 | 57 | - |
| Total, Pricing Increases | 57 | 57 | \$3,891 |
| Efficiencies | - | - | (\$2,271) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$17) |
| Total, Pricing Decreases | - | - | (\$2,288) |
| Total Adjustments-to-Base | 168 | 155 | \$44,179 |

Operations and Support
Mission Support - PPA

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|------------|------------------|
| FY 2021 Current Services | 592 | 488 | \$128,856 |
| Awards Spending Increase | - | - | \$800 |
| CISA Application Cloud | - | - | \$4,000 |
| Financial System Modernization | 1 | 1 | \$821 |
| G-Invoicing Solution | - | - | \$250 |
| Privacy Office Advisors | 3 | 2 | \$336 |
| Standing Up CISA Management Structure | 47 | 26 | \$6,082 |
| Total, Program Increases | 51 | 29 | \$12,289 |
| FY 2021 Request | 643 | 517 | \$141,145 |
| FY 2020 To FY 2021 Change | 219 | 184 | \$56,468 |

Mission Support – PPA Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|------------|-----------------|-----------------|-----------------|------------|-----------------|--------------|----------------------------|------------|-----------------|-----------------|--------------------------|------------|-----------------|-----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Mission Support | 423 | 333 | \$55,196 | \$165.58 | 424 | 333 | \$69,264 | \$160 | 643 | 517 | \$98,630 | \$159.86 | 219 | 184 | \$29,366 | (\$0.14) |
| Total | 423 | 333 | \$55,196 | \$165.58 | 424 | 333 | \$69,264 | \$160 | 643 | 517 | \$98,630 | \$159.86 | 219 | 184 | \$29,366 | (\$0.14) |
| Discretionary - Appropriation | 423 | 333 | \$55,196 | \$165.58 | 424 | 333 | \$69,264 | \$160 | 643 | 517 | \$98,630 | \$159.86 | 219 | 184 | \$29,366 | (\$0.14) |

* The FTE Rate calculation does not include Object Class 11.8-Special Personal Services Payments or 13.0-Benefits for Former Personnel.

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$38,622 | \$53,280 | \$73,499 | \$20,219 |
| 11.3 Other than Full-Time Permanent | \$2,200 | - | - | - |
| 11.5 Other Personnel Compensation | \$500 | - | - | - |
| 11.8 Special Personal Services Payments | \$59 | \$15,984 | \$15,984 | - |
| 12.1 Civilian Personnel Benefits | \$13,815 | - | \$9,147 | \$9,147 |
| Total - Personnel Compensation and Benefits | \$55,196 | \$69,264 | \$98,630 | \$29,366 |
| Positions and FTE | | | | |
| Positions - Civilian | 423 | 424 | 643 | 219 |
| FTE - Civilian | 333 | 333 | 517 | 184 |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|---|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|-------------------------------|-----------------|-----------------|-------------------------------------|-----------------|------------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Mission Support Personnel | 333 | \$55,196 | \$165.75 | 333 | \$69,264 | \$208.00 | 406 | \$77,454 | \$190.77 | 73 | \$8,190 | (\$17.23) |
| Strategy, Policy, & Plans Personnel | - | - | - | - | - | - | 42 | \$8,012 | \$190.77 | 42 | \$8,012 | \$190.77 |
| External Affairs Personnel | - | - | - | - | - | - | 38 | \$7,249 | \$190.77 | 38 | \$7,249 | \$190.77 |
| Privacy Personnel | - | - | - | - | - | - | 13 | \$2,480 | \$190.77 | 13 | \$2,480 | \$190.77 |
| National Services Support Facility Management Personnel | - | - | - | - | - | - | 3 | \$573 | \$190.77 | 3 | \$573 | \$190.77 |
| CTO Personnel | - | - | - | - | - | - | 15 | \$2,862 | \$190.77 | 15 | \$2,862 | \$190.77 |
| Total – Pay Cost Drivers | 333 | \$55,196 | \$165.75 | 333 | \$69,264 | \$208.00 | 517 | \$98,630 | \$190.77 | 184 | \$29,366 | (\$17.23) |

Explanation of Pay Cost Drivers

Mission Support Personnel: This cost driver supports the increase in personnel from the establishment of the Office of the Chief Counsel and standing up of the CISA management structure, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Strategy, Policy, & Plans Personnel: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

External Affairs Personnel: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Privacy Personnel: This cost driver supports the transferred personnel as a result of the PPA realignments, a program increase request for additional privacy advisors, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

National Services Support Facility Management Personnel: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

CTO Personnel: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Mission Support – PPA Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Mission Support | \$24,707 | \$15,413 | \$42,515 | \$27,102 |
| Total | \$24,707 | \$15,413 | \$42,515 | \$27,102 |
| Discretionary - Appropriation | \$24,707 | \$15,413 | \$42,515 | \$27,102 |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$960 | - | - | - |
| 22.0 Transportation of Things | \$24 | - | - | - |
| 23.1 Rental Payments to GSA | \$3,657 | - | - | - |
| 23.2 Rental Payments to Others | \$297 | - | - | - |
| 23.3 Communications, Utilities, and Misc. Charges | \$205 | - | - | - |
| 24.0 Printing and Reproduction | \$10 | - | - | - |
| 25.1 Advisory and Assistance Services | \$2,091 | \$15,413 | \$41,593 | \$26,180 |
| 25.2 Other Services from Non-Federal Sources | \$5,013 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$3,671 | - | \$922 | \$922 |
| 25.4 Operation and Maintenance of Facilities | \$587 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$7,704 | - | - | - |
| 26.0 Supplies and Materials | \$350 | - | - | - |
| 31.0 Equipment | \$138 | - | - | - |
| Total - Non Pay Object Classes | \$24,707 | \$15,413 | \$42,515 | \$27,102 |

Non Pay Cost Drivers

| Non Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|--------------------|--------------------|-------------------------------|-------------------------------------|
| Mission Support | \$24,707 | \$15,413 | \$26,271 | \$10,858 |
| Strategy, Policy, & Plans | - | - | \$3,302 | \$3,302 |
| External Affairs | - | - | \$122 | \$122 |
| Privacy | - | - | \$349 | \$349 |
| National Services Support Facility Management | - | - | \$1,167 | \$1,167 |
| Chief Technology Officer (CTO) | - | - | \$11,305 | \$11,305 |
| Total - Non Pay Cost Drivers | \$24,707 | \$15,413 | \$42,515 | \$27,103 |

Explanation of Non Pay Cost Drivers

Mission Support: This cost driver supports the non-pay costs associated with transferred personnel as a result of the PPA realignments, as well as supplies and equipment for the OCC and requested new mission support personnel

Strategy, Policy, & Plans: This cost driver supports the non-pay costs associated with transferred personnel as a result of the PPA realignments.

External Affairs: This cost driver supports the non-pay costs associated with transferred personnel as a result of the PPA realignments.

Privacy: This cost driver supports the non-pay costs associated with transferred personnel as a result of the PPA realignments, as well as new requested privacy advisors.

National Services Support Facility Management: This cost driver supports the non-pay costs associated with transferred personnel as a result of the PPA realignments.

Chief Technology Officer: This cost driver supports the non-pay costs associated with transferred personnel as a result of the PPA realignments.

Cybersecurity – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|------------------|----------------------------|------------|------------------|---------------------------------------|------------|------------------|---|-------------|--------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Cyber Readiness and Response | 396 | 290 | \$272,235 | 452 | 364 | \$367,063 | - | - | - | (452) | (364) | (\$367,063) |
| Cyber Infrastructure Resilience | 48 | 37 | \$46,571 | 138 | 99 | \$86,535 | - | - | - | (138) | (99) | (\$86,535) |
| Federal Cybersecurity | 348 | 272 | \$463,267 | 369 | 294 | \$493,668 | - | - | - | (369) | (294) | (\$493,668) |
| Cyber Operations | - | - | - | - | - | - | 581 | 462 | \$407,497 | 581 | 462 | \$407,497 |
| Technology and Services | - | - | - | - | - | - | 282 | 247 | \$394,178 | 282 | 247 | \$394,178 |
| Total | 792 | 599 | \$782,073 | 959 | 757 | \$947,266 | 863 | 709 | \$801,675 | (96) | (48) | (\$145,591) |
| Subtotal Discretionary - Appropriation | 792 | 599 | \$782,073 | 959 | 757 | \$947,266 | 863 | 709 | \$801,675 | (96) | (48) | (\$145,591) |

PPA Level I Description

The Cybersecurity program advances computer security preparedness and the response to cyberattacks and incidents. The program includes activities to secure the Federal network, respond to incidents, receive, analyze, integrate, and disseminate actionable information, and collaborate with private sector partners to secure critical infrastructure. The program includes performing the functions of the national cybersecurity and communications integration center, including receiving, analyzing, integrating, and providing information related to cyber threat indicators, defensive measures, cybersecurity risks, supply chain risks, incidents, analysis, and warnings, and providing technical assistance and risk management support, for Federal and non-Federal entities. This program supports the implementation of government-wide deployment of hardware and software systems to prevent and detect incidents, respond to incidents at Federal and private entities, and collaborate with the private sector to increase the security and resiliency of critical networks. The program also coordinates cybersecurity education for the Federal workforce.

The Cybersecurity PPA contains the following Level II PPAs:

Cyber Readiness and Response: The Cyber Readiness and Response PPA historically funded efforts to ensure the security and resilience of the Nation's critical infrastructure from physical and cyber threats. It also historically funded the National Cybersecurity and Communications Integration Center (NCCIC) and also supported technical aspects of cross-CISA cyber risk mitigation efforts. With the establishment of a new PPA structure, this PPA will not be used in the future.

Cyber Infrastructure Resilience: The Cyber Infrastructure Resilience PPA funds efforts to increase the security of critical infrastructure systems and networks through education and awareness, partnerships with owners/operators, and information-sharing programs. Funding within this PPA

Operations and Support**Cybersecurity - PPA**

historically supported Cybersecurity Advisors (CSAs), Cyber Education and Awareness, Enhanced Cybersecurity Services (ECS), and the new Cybersecurity Technology Strategic Initiative. With the establishment of a new PPA structure, this PPA will not be used in the future.

Federal Cybersecurity: The Federal Cybersecurity PPA historically funded efforts to protect Federal networks, improve security posture of high value assets, and provide governance and training across the Federal Enterprise. Funding in this PPA historically supported the CDM program, the NCPS program, and Federal Network Resilience (FNR). With the establishment of a new PPA structure, this PPA will not be used in the future.

Cyber Operations: With the establishment of a new PPA structure, this PPA will be used to support strategy and performance, threat hunting, vulnerability management, capacity building, and operational planning and coordination. This includes various information sharing, coordination, and operational activities to understand and address threats, vulnerabilities, risks, and incidents, including supply chain security risks and incidents. This PPA will support DHS serving as the executive agency for supply chain information sharing, if identified for that role by the Federal Acquisition Security Council.

Technology and Services: With the establishment of a new PPA structure this PPA will be used to support the CDM program, the NCPS program, and cybersecurity services.

Figure: CISA Cybersecurity Funding Breakout by Appropriation and PPA

| Appropriation | PPA Level I | PPA Level II | PPA Level III | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|---------------------------|---------------|------------------------------------|--|--------------------|--------------------|-------------------------------|
| Operations and Support | Cybersecurity | Cyber Readiness & Response | NCCIC Operations | \$164,579 | \$213,106 | - |
| | | | NCCIC Planning & Exercises | \$107,656 | \$153,957 | - |
| | | Cyber Infrastructure Resilience | Cybersecurity Advisors | \$14,918 | \$19,917 | - |
| | | | Enhanced Cybersecurity Services | \$13,115 | \$13,178 | - |
| | | | Cyber Education and Awareness | \$18,538 | \$43,955 | - |
| | | | Cyber Technology Initiative | - | \$9,485 | - |
| | | Federal Cybersecurity | Federal Network Resilience | \$50,133 | \$82,146 | - |
| | | | Continuous Diagnostics & Mitigation | \$115,872 | \$111,358 | - |
| | | | National Cybersecurity Protection System | \$297,262 | \$300,164 | - |

Operations and Support
Cybersecurity - PPA

| | | | | | | |
|--|----------------------------|---------------------------------|--|--------------------|--------------------|--------------------|
| | | Cyber Operations | Strategy and Performance | - | - | \$3,434 |
| | | | Threat Hunting | - | - | \$116,502 |
| | | | Vulnerability Management | - | - | \$147,856 |
| | | | Capacity Building | - | - | \$101,921 |
| | | | Operational Planning & Coordination | - | - | \$37,784 |
| | | Technology and Services | Cybersecurity Services | - | - | \$7,870 |
| | | | Continuous Diagnostics & Mitigation | - | - | \$107,384 |
| | | | National Cybersecurity Protection System | - | - | \$278,924 |
| | Integrated Operations | Cyber & Infrastructure Analysis | Infrastructure Analysis | \$4,715 | \$4,715 | - |
| | Risk Management Operations | Risk Management Operations | Infrastructure Analysis | - | - | \$4,715 |
| Procurement, Construction, & Improvements | Cybersecurity | Federal Cybersecurity | Continuous Diagnostics & Mitigation | \$160,000 | \$213,514 | \$174,350 |
| | | | National Cybersecurity Protection System | \$95,078 | \$165,838 | \$91,170 |
| | | | Pensacola Corry Station Facilities | \$15,000 | - | - |
| Research & Development | Cybersecurity | Cybersecurity | Cybersecurity R&D | \$4,695 | - | - |
| Total Cyber Activity (Dollars in Thousands) | | | | \$1,061,561 | \$1,331,333 | \$1,071,910 |

Note: Amounts do not include cybersecurity related mission support, stakeholder engagement and requirements, and integrated operations activities.

Cybersecurity – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|------------------|------------------|------------------|
| Enacted/Request | \$782,073 | \$947,266 | \$801,675 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | - | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$782,073 | \$947,266 | \$801,675 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$782,073 | \$947,266 | \$801,675 |
| Obligations (Actual/Estimates/Projections) | \$782,073 | \$947,266 | \$801,675 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | 792 | 959 | 863 |
| Enacted/Request FTE | 599 | 757 | 709 |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | 770 | 959 | 863 |
| FTE (Actual/Estimates/Projections) | 577 | 757 | 709 |

Cybersecurity – PPA

Summary of Budget Changes

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|--|------------|------------|------------------|
| FY 2019 Enacted | 792 | 599 | \$782,073 |
| FY 2020 Enacted | 959 | 757 | \$947,266 |
| FY 2021 Base Budget | 959 | 757 | \$947,266 |
| Realignment for OCC from C/CO/SP to MS/MS/MS | - | - | (\$3,464) |
| Realignment for PPA from C/CIR to C/CO | (6) | (3) | (\$11,490) |
| Realignment for PPA from C/CIR to IO/RO | (50) | (25) | (\$13,069) |
| Realignment for PPA from C/FC to C/CO | (12) | (6) | (\$25,431) |
| Realignment for PPA from C/FC to C/TS | - | - | (\$17,608) |
| Realignment for PPA from C/FC to MS/MS | - | - | (\$34) |
| Realignment for PPA from CSD/C/CIR/CA to CSD/CO/VM | - | - | (\$466) |
| Realignment for PPA from CSD/C/CIR/CA to IOD/IO/RO/Security Advisors | (30) | (23) | (\$6,364) |
| Realignment for PPA from CSD/C/CIR/CEA to CSD/C/CO/Capacity Building | (14) | (13) | (\$20,582) |
| Realignment for PPA from CSD/C/CIR/CEA to ISD/IS/IAS/CISA Exercises | (15) | (15) | (\$10,058) |
| Realignment for PPA from CSD/C/CIR/CEA to SED/SER/SER/Stakeholder Engage | (2) | (2) | (\$1,867) |
| Realignment for PPA from CSD/C/CIR/CTI to MBS/MS/MS/CTO | (13) | (13) | (\$9,485) |
| Realignment for PPA from CSD/C/CIR/ECS to CSD/C/CO/Capacity Building | (8) | (5) | (\$13,154) |
| Realignment for PPA from CSD/C/CO/Capacity Build | (1) | (1) | (\$1,065) |
| Realignment for PPA from CSD/C/FC/CDM to MBS/MS/MS/CTO | (2) | (2) | (\$546) |
| Realignment for PPA from CSD/FC/CDM to CSD/C/TS/CDM | (84) | (64) | (\$94,514) |
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Capacity Build | (57) | (40) | (\$31,553) |
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Oper Planning & Coord | (5) | (5) | (\$2,584) |
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Threat Hunting | (1) | (1) | (\$180) |
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Vulnerability A | (31) | (24) | (\$21,623) |
| Realignment for PPA from CSD/FC/FNR to IOD/IO/RO/Coord & Service D | (1) | (1) | (\$211) |
| Realignment for PPA from CSD/FC/NCPS to CSD/C/TS/NCPS | (176) | (151) | (\$299,384) |
| Realignment for PPA to C/CO from C/CIR | 6 | 3 | \$11,490 |
| Realignment for PPA to C/CO from C/FC | 12 | 6 | \$25,431 |
| Realignment for PPA to C/TS from C/FC | - | - | \$17,608 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CIR/CEA | 14 | 13 | \$20,582 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CIR/ECS | 8 | 5 | \$13,154 |

Operations and Support

Cybersecurity - PPA

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|------------|---------------|
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CRR/NCCIC Ops | 6 | 6 | \$664 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CRR/NCCIC P&E | 1 | 1 | \$5,877 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/FC/FNR | 57 | 40 | \$31,553 |
| Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/CRR/NCCIC Ops | 15 | 15 | \$12,797 |
| Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/CRR/NCCIC P&E | 36 | 21 | \$20,737 |
| Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/FC/FNR | 5 | 5 | \$2,584 |
| Realignment for PPA to CSD/C/CO/Ops Planning & Coord from CSD/CRR/NCCIC P&E | (36) | (21) | (\$20,737) |
| Realignment for PPA to CSD/C/CO/Strategy & P from CSD/CRR/NCCIC P&E | (30) | (29) | (\$6,591) |
| Realignment for PPA to CSD/C/CO/Strategy and P from CSD/C/CRR/NCCIC P&E | 30 | 29 | \$6,591 |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/CRR/NCCIC P&E | (19) | (19) | (\$4,916) |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/CRR/NCCIC Ops | 134 | 114 | \$92,919 |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/CRR/NCCIC P&E | 27 | 27 | \$21,710 |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/FC/FNR | 1 | 1 | \$180 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC P&E | (56) | (34) | (\$41,990) |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC Ops | 27 | 22 | \$3,057 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC P&E | 56 | 34 | \$41,990 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/FC/FNR | 31 | 24 | \$21,623 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/IO/SER/SER | 4 | 4 | \$602 |
| Realignment for PPA to CSD/C/TS/CDM from CSD/C/FC/CDM | 84 | 64 | \$94,514 |
| Realignment for PPA to CSD/C/TS/Cybersecurity S from CSD/C/CRR/NCCIC Ops | - | - | \$4,849 |
| Realignment for PPA to CSD/C/TS/Cybersecurity S from CSD/C/CRR/NCCIC P&E | - | - | \$2,941 |
| Realignment for PPA to CSD/C/TS/Cybersecurity Svcs from CSD/CRR/NCCIC P&E | - | - | (\$2,941) |
| Realignment for PPA to CSD/CO/Capacity Bldg from CSD/CRR/NCCIC Ops | (6) | (6) | (\$664) |
| Realignment for PPA to CSD/CO/Ops Planning & Coord from CSD/CRR/NCCIC Ops | (15) | (15) | (\$12,797) |
| Realignment for PPA to CSD/CO/Threat Hunt from CSD/CRR/NCCIC Ops | (142) | (122) | (\$109,713) |
| Realignment for PPA to CSD/CO/Vulnerability M from CSD/CRR/NCCIC Ops | (27) | (22) | (\$3,057) |
| Realignment for PPA to CSD/TS/Cybersecurity Svcs from CSD/CRR/NCCIC Ops | - | - | (\$4,849) |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/CRR/NCCIC Ops | (49) | (49) | (\$31,995) |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/CRR/NCCIC P&E | (3) | (3) | (\$4,653) |
| Realignment for PPA to IOD/IO/OCP/Planning & R from CSD/CRR/NCCIC P&E | (16) | (15) | (\$1,666) |
| Realignment for PPA to ISD/IS/IAS/CISA Exer from CSD/CRR/NCCIC P&E | (1) | (1) | (\$35) |
| Realignment for PPA to MBS/MS/MS/Nat'l Sup Svcs FM from CSD/CRR/NCCIC Ops | (3) | (3) | (\$1,707) |
| Realignment for PPA to O&S/CSD/C/CO/Vulnerability M from O&S/CSD/CIR/CEA | - | - | \$466 |

Operations and Support
Cybersecurity - PPA

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|--------------|-------------------|
| Realignment for PPA to O&S/CSD/C/TS/NCPS from O&S/CSD/C/FC/NCPS | 176 | 151 | \$299,384 |
| Total Transfers | (181) | (148) | (\$79,740) |
| 2020 Pay Raise | - | - | \$3,345 |
| 2021 Pay Raise | - | - | \$808 |
| Annualization of Federal Network Resilience .gov Governance | - | 2 | \$211 |
| Annualization of Federal Network Resilience High Value Assets | - | 2 | \$310 |
| Annualization of FY 2020 CDM FTE | - | 10 | \$1,045 |
| Annualization of FY 2020 Cyber Sentry | - | 2 | \$284 |
| Annualization of FY 2020 Support to State and Local Governments | - | 10 | \$1,299 |
| Enhanced Cybersecurity Services (ECS) FY 2021 Personnel Adjustment | 2 | 2 | - |
| FERS Agency Contribution | - | - | \$937 |
| HIRT and NCATS FY 2021 Personnel Adjustment | 38 | 38 | - |
| Total, Pricing Increases | 40 | 66 | \$8,239 |
| Efficiencies | - | - | (\$2,970) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$105) |
| Total, Pricing Decreases | - | - | (\$3,075) |
| Total Adjustments-to-Base | (141) | (82) | (\$74,576) |
| FY 2021 Current Services | 818 | 675 | \$872,690 |
| Awards Spending Increase | - | - | \$1,078 |
| Cyber Sentry | - | - | \$4,000 |
| Vulnerability Management | 29 | 15 | \$20,806 |
| Total, Program Increases | 29 | 15 | \$25,884 |
| Continuous Diagnostics and Mitigation (CDM) | 22 | 22 | (\$5,441) |
| Cyber Engagement Programs | (1) | - | (\$2,550) |
| Cybersecurity Services for Critical Infrastructure Sectors | - | - | (\$3,000) |
| Industrial Control Systems | - | - | (\$11,400) |
| NCPS O&S | - | - | (\$22,019) |
| Shared Cybersecurity Services Marketplace | 14 | 7 | (\$4,050) |
| SLTT Cyber Information Sharing Pilot | - | - | (\$3,000) |
| Support to State and Local Governments | - | - | (\$11,439) |
| Threat Analysis and Response | (19) | (10) | (\$34,000) |
| Total, Program Decreases | 16 | 19 | (\$96,899) |
| FY 2021 Request | 863 | 709 | \$801,675 |

Operations and Support

Cybersecurity - PPA

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Cybersecurity - PPA | | |
|--|---------------------|------|-------------|
| | Positions | FTE | Amount |
| FY 2020 To FY 2021 Change | (96) | (48) | (\$145,591) |

Cybersecurity – PPA Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|------------|------------------|-----------------|-----------------|------------|------------------|----------------|----------------------------|------------|------------------|-----------------|--------------------------|-------------|-----------------|----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Cyber Readiness and Response | 396 | 290 | \$56,957 | \$196.4 | 452 | 364 | \$54,240 | \$149.01 | - | - | - | - | (452) | (364) | (\$54,240) | (\$149.01) |
| Cyber Infrastructure Resilience | 48 | 37 | \$6,367 | \$172.08 | 138 | 99 | \$13,825 | \$139.65 | - | - | - | - | (138) | (99) | (\$13,825) | (\$139.65) |
| Federal Cybersecurity | 348 | 272 | \$61,573 | \$226.37 | 369 | 294 | \$51,012 | \$173.51 | - | - | - | - | (369) | (294) | (\$51,012) | (\$173.51) |
| Cyber Operations | - | - | - | - | - | - | - | - | 581 | 462 | \$84,002 | \$181.82 | 581 | 462 | \$84,002 | \$181.82 |
| Technology and Services | - | - | - | - | - | - | - | - | 282 | 247 | \$51,820 | \$209.8 | 282 | 247 | \$51,820 | \$209.8 |
| Total | 792 | 599 | \$124,897 | \$208.51 | 959 | 757 | \$119,077 | \$157.3 | 863 | 709 | \$135,822 | \$191.57 | (96) | (48) | \$16,745 | \$34.27 |
| Discretionary - Appropriation | 792 | 599 | \$124,897 | \$208.51 | 959 | 757 | \$119,077 | \$157.3 | 863 | 709 | \$135,822 | \$191.57 | (96) | (48) | \$16,745 | \$34.27 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|------------------|------------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$77,810 | \$119,077 | \$114,154 | (\$4,923) |
| 11.3 Other than Full-Time Permanent | \$348 | - | - | - |
| 11.5 Other Personnel Compensation | \$6,266 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$40,473 | - | \$20,884 | \$20,884 |
| 12.2 Military Personnel Benefits | - | - | \$784 | \$784 |
| Total - Personnel Compensation and Benefits | \$124,897 | \$119,077 | \$135,822 | \$16,745 |
| Positions and FTE | | | | |
| Positions - Civilian | 792 | 959 | 863 | (96) |
| FTE - Civilian | 599 | 757 | 709 | (48) |

Cybersecurity – PPA Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------|------------------|-------------------------------|-------------------------------------|
| Cyber Readiness and Response | \$215,278 | \$312,823 | - | (\$312,823) |
| Cyber Infrastructure Resilience | \$40,204 | \$72,710 | - | (\$72,710) |
| Federal Cybersecurity | \$401,694 | \$442,656 | - | (\$442,656) |
| Cyber Operations | - | - | \$323,495 | \$323,495 |
| Technology and Services | - | - | \$342,358 | \$342,358 |
| Total | \$657,176 | \$828,189 | \$665,853 | (\$162,336) |
| Discretionary - Appropriation | \$657,176 | \$828,189 | \$665,853 | (\$162,336) |

Non Pay by Object Class

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|----------------------------|----------------------------|---------------------------------------|--------------------------------------|
| 21.0 Travel and Transportation of Persons | \$3,153 | - | - | - |
| 22.0 Transportation of Things | \$429 | - | - | - |
| 23.1 Rental Payments to GSA | \$16,955 | - | - | - |
| 23.2 Rental Payments to Others | \$24 | - | - | - |
| 23.3 Communications, Utilities, and Misc. Charges | \$73 | - | - | - |
| 24.0 Printing and Reproduction | \$223 | - | - | - |
| 25.1 Advisory and Assistance Services | \$346,048 | \$828,189 | \$665,853 | (\$162,336) |
| 25.2 Other Services from Non-Federal Sources | \$1,706 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$156,031 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$48,695 | - | - | - |
| 26.0 Supplies and Materials | \$757 | - | - | - |
| 31.0 Equipment | \$67,200 | - | - | - |
| 32.0 Land and Structures | \$1,068 | - | - | - |
| 41.0 Grants, Subsidies, and Contributions | \$14,748 | - | - | - |
| 42.0 Insurance Claims and Indemnities | \$66 | - | - | - |
| Total - Non Pay Object Classes | \$657,176 | \$828,189 | \$665,853 | (\$162,336) |

Cyber Readiness and Response – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|------------|------------------|--------------------|------------|------------------|-------------------------------|----------|----------|-------------------------------------|--------------|--------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Cyber Readiness and Response | 396 | 290 | \$272,235 | 452 | 364 | \$367,063 | - | - | - | (452) | (364) | (\$367,063) |
| Total | 396 | 290 | \$272,235 | 452 | 364 | \$367,063 | - | - | - | (452) | (364) | (\$367,063) |
| Subtotal Discretionary - Appropriation | 396 | 290 | \$272,235 | 452 | 364 | \$367,063 | - | - | - | (452) | (364) | (\$367,063) |

PPA Level II Description

Due to CISA's new PPA structure, this PPA will no longer be utilized. The Cyber Readiness and Response PPA historically funded the NCCIC, which is the Federal Government's civilian hub for 24x7 cyber situational awareness, incident response, coordination, information sharing, and analysis. This PPA also supported the Multi-State Information Sharing and Analysis Center (MS-ISAC) grant program, the activities of the Elections Infrastructure Information Sharing and Analysis Center (EI-ISAC), which exists within the MS-ISAC grant program, and Watch activities.

Cyber Readiness and Response – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|--------------|--------------|--------------------|
| FY 2019 Enacted | 396 | 290 | \$272,235 |
| FY 2020 Enacted | 452 | 364 | \$367,063 |
| FY 2021 Base Budget | 452 | 364 | \$367,063 |
| Realignment for PPA to C/CO from C/CRR | (49) | (25) | (\$118,752) |
| Realignment for PPA to CSD/C/CO/Ops Planning & Coord from CSD/CRR/NCCIC P&E | (36) | (21) | (\$20,737) |
| Realignment for PPA to CSD/C/CO/Strategy & P from CSD/CRR/NCCIC P&E | (30) | (29) | (\$6,591) |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/CRR/NCCIC P&E | (19) | (19) | (\$4,916) |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC P&E | (56) | (34) | (\$41,990) |
| Realignment for PPA to CSD/C/TS/Cybersecurity Svcs from CSD/CRR/NCCIC P&E | - | - | (\$2,941) |
| Realignment for PPA to CSD/CO/Capacity Bldg from CSD/CRR/NCCIC Ops | (6) | (6) | (\$664) |
| Realignment for PPA to CSD/CO/Ops Planning & Coord from CSD/CRR/NCCIC Ops | (15) | (15) | (\$12,797) |
| Realignment for PPA to CSD/CO/Threat Hunt from CSD/CRR/NCCIC Ops | (142) | (122) | (\$109,713) |
| Realignment for PPA to CSD/CO/Vulnerability M from CSD/CRR/NCCIC Ops | (27) | (22) | (\$3,057) |
| Realignment for PPA to CSD/TS/Cybersecurity Svcs from CSD/CRR/NCCIC Ops | - | - | (\$4,849) |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/CRR/NCCIC Ops | (49) | (49) | (\$31,995) |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/CRR/NCCIC P&E | (3) | (3) | (\$4,653) |
| Realignment for PPA to IOD/IO/OCP/Planning & R from CSD/CRR/NCCIC P&E | (16) | (15) | (\$1,666) |
| Realignment for PPA to ISD/IS/IAS/CISA Exer from CSD/CRR/NCCIC P&E | (1) | (1) | (\$35) |
| Realignment for PPA to MBS/MS/MS/Nat'l Sup Svcs FM from CSD/CRR/NCCIC Ops | (3) | (3) | (\$1,707) |
| Total Transfers | (452) | (364) | (\$367,063) |
| Total Adjustments-to-Base | (452) | (364) | (\$367,063) |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | (452) | (364) | (\$367,063) |

Cyber Readiness and Response – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|------------|-----------------|----------------|-----------------|------------|-----------------|-----------------|----------------------------|----------|----------|----------|--------------------------|--------------|-------------------|-------------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Cyber Readiness and Response | 396 | 290 | \$56,957 | \$196.4 | 452 | 364 | \$54,240 | \$149.01 | - | - | - | - | (452) | (364) | (\$54,240) | (\$149.01) |
| Total | 396 | 290 | \$56,957 | \$196.4 | 452 | 364 | \$54,240 | \$149.01 | - | - | - | - | (452) | (364) | (\$54,240) | (\$149.01) |
| Discretionary - Appropriation | 396 | 290 | \$56,957 | \$196.4 | 452 | 364 | \$54,240 | \$149.01 | - | - | - | - | (452) | (364) | (\$54,240) | (\$149.01) |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$36,985 | \$54,240 | - | (\$54,240) |
| 11.3 Other than Full-Time Permanent | \$257 | - | - | - |
| 11.5 Other Personnel Compensation | \$3,153 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$16,562 | - | - | - |
| Total - Personnel Compensation and Benefits | \$56,957 | \$54,240 | - | (\$54,240) |
| Positions and FTE | | | | |
| Positions - Civilian | 396 | 452 | - | (452) |
| FTE - Civilian | 290 | 364 | - | (364) |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|-------------------------------|--------|------|-------------------------------------|-------------------|-------------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Cybersecurity Information Technology Personnel | 249 | \$48,588 | \$195.13 | 323 | \$47,680 | \$147.62 | - | - | - | (323) | (\$47,680) | (\$147.62) |
| Cybersecurity Program Management Personnel | 41 | \$8,369 | \$204.12 | 41 | \$6,560 | \$160.00 | - | - | - | (41) | (\$6,560) | (\$160.00) |
| Total - Pay Cost Drivers | 290 | \$56,957 | \$196.40 | 364 | \$54,240 | \$149.01 | - | - | - | (364) | (\$54,240) | (\$149.01) |

Explanation of Pay Cost Drivers

Due to changes in CISA's PPA structure, the pay cost drivers listed in the above table are no longer being utilized.

Cyber Readiness and Response – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------|------------------|-------------------------------|-------------------------------------|
| Cyber Readiness and Response | \$215,278 | \$312,823 | - | (\$312,823) |
| Total | \$215,278 | \$312,823 | - | (\$312,823) |
| Discretionary - Appropriation | \$215,278 | \$312,823 | - | (\$312,823) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$2,311 | - | - | - |
| 22.0 Transportation of Things | \$140 | - | - | - |
| 23.1 Rental Payments to GSA | \$5,515 | - | - | - |
| 23.2 Rental Payments to Others | \$24 | - | - | - |
| 23.3 Communications, Utilities, and Misc. Charges | \$73 | - | - | - |
| 25.1 Advisory and Assistance Services | \$133,498 | \$312,823 | - | (\$312,823) |
| 25.2 Other Services from Non-Federal Sources | \$832 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$43,660 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$9,901 | - | - | - |
| 26.0 Supplies and Materials | \$291 | - | - | - |
| 31.0 Equipment | \$8,519 | - | - | - |
| 41.0 Grants, Subsidies, and Contributions | \$10,448 | - | - | - |
| 42.0 Insurance Claims and Indemnities | \$66 | - | - | - |
| Total - Non Pay Object Classes | \$215,278 | \$312,823 | - | (\$312,823) |

Non Pay Cost Drivers

| Non Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|--------------------|--------------------|-------------------------------|-------------------------------------|
| Operations | \$91,003 | \$157,055 | - | (\$157,055) |
| Analysis | \$53,412 | \$89,665 | - | (\$89,665) |
| Support State and Local Governments | \$26,144 | \$32,873 | - | (\$32,873) |
| MS-ISAC | \$9,516 | \$9,516 | - | (\$9,516) |
| Training and Exercises | \$13,518 | - | - | - |
| Other Costs | \$21,685 | \$23,714 | - | (\$23,714) |
| Total Non Pay Cost Drivers | \$215,278 | \$312,823 | - | (\$312,823) |

Explanation of Non Pay Cost Drivers

Due to changes in CISA's PPA structure, the non pay cost drivers listed in the above table are no longer being utilized.

Cyber Infrastructure Resilience – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|-----------------|----------------------------|------------|-----------------|---------------------------------------|------------|---------------|---|-------------|-------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Cyber Infrastructure Resilience | 48 | 37 | \$46,571 | 138 | 99 | \$86,535 | - | - | - | (138) | (99) | (\$86,535) |
| Total | 48 | 37 | \$46,571 | 138 | 99 | \$86,535 | - | - | - | (138) | (99) | (\$86,535) |
| Subtotal Discretionary - Appropriation | 48 | 37 | \$46,571 | 138 | 99 | \$86,535 | - | - | - | (138) | (99) | (\$86,535) |

PPA Level II Description

As a result of CISA's new PPA structure, this PPA is no longer being utilized. The Cyber Infrastructure Resilience PPA historically included the Cybersecurity Advisors (CSA) initiative, Cybersecurity Education and Awareness, the Cybersecurity Technology Strategic Initiative, and the Enhanced Cybersecurity Services program.

Cyber Infrastructure Resilience PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|--------------|-------------|-------------------|
| FY 2019 Enacted | 48 | 37 | \$46,571 |
| FY 2020 Enacted | 138 | 99 | \$86,535 |
| FY 2021 Base Budget | 138 | 99 | \$86,535 |
| Realignment for PPA from C/CIR to C/CO | (6) | (3) | (\$11,490) |
| Realignment for PPA from C/CIR to IO/RO | (50) | (25) | (\$13,069) |
| Realignment for PPA from CSD/C/CIR/CA to CSD/CO/VM | - | - | (\$466) |
| Realignment for PPA from CSD/C/CIR/CA to IOD/IO/RO/Security Advisors | (30) | (23) | (\$6,364) |
| Realignment for PPA from CSD/C/CIR/CEA to CSD/C/CO/Capacity Building | (14) | (13) | (\$20,582) |
| Realignment for PPA from CSD/C/CIR/CEA to ISD/IS/IAS/CISA Exercises | (15) | (15) | (\$10,058) |
| Realignment for PPA from CSD/C/CIR/CEA to SED/SER/SER/Stakeholder Engage | (2) | (2) | (\$1,867) |
| Realignment for PPA from CSD/C/CIR/CTI to MBS/MS/MS/CTO | (13) | (13) | (\$9,485) |
| Realignment for PPA from CSD/C/CIR/ECS to CSD/C/CO/Capacity Building | (8) | (5) | (\$13,154) |
| Total Transfers | (138) | (99) | (\$86,535) |
| Total Adjustments-to-Base | (138) | (99) | (\$86,535) |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | (138) | (99) | (\$86,535) |

Cyber Infrastructure Resilience PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|-----------|----------------|-----------------|-----------------|-----------|-----------------|-----------------|----------------------------|----------|----------|----------|--------------------------|-------------|-------------------|-------------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Cyber Infrastructure Resilience | 48 | 37 | \$6,367 | \$172.08 | 138 | 99 | \$13,825 | \$139.65 | - | - | - | - | (138) | (99) | (\$13,825) | (\$139.65) |
| Total | 48 | 37 | \$6,367 | \$172.08 | 138 | 99 | \$13,825 | \$139.65 | - | - | - | - | (138) | (99) | (\$13,825) | (\$139.65) |
| Discretionary - Appropriation | 48 | 37 | \$6,367 | \$172.08 | 138 | 99 | \$13,825 | \$139.65 | - | - | - | - | (138) | (99) | (\$13,825) | (\$139.65) |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$4,133 | \$13,825 | - | (\$13,825) |
| 11.5 Other Personnel Compensation | \$297 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$1,937 | - | - | - |
| Total - Personnel Compensation and Benefits | \$6,367 | \$13,825 | - | (\$13,825) |
| Positions and FTE | | | | |
| Positions - Civilian | 48 | 138 | - | (138) |
| FTE - Civilian | 37 | 99 | - | (99) |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|----------------|-----------------|--------------------|-----------------|-----------------|-------------------------------|----------|----------|-------------------------------------|-------------------|-------------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Information Technology Personnel | 31 | \$5,835 | \$188.23 | 93 | \$12,670 | \$136.24 | - | - | - | (93) | (\$12,670) | (\$136.24) |
| Program Management Personnel | 6 | \$532 | \$88.65 | 6 | \$1,155 | \$192.50 | - | - | - | (6) | (\$1,150) | (\$192.50) |
| Total Pay Cost Drivers | 37 | \$6,367 | \$172.08 | 99 | \$13,825 | \$139.65 | - | - | - | (71) | (\$13,825) | (\$139.65) |

Explanation of Pay Cost Drivers

Due to changes in CISA's PPA structure, the pay cost drivers listed in the above table are no longer being utilized.

Cyber Infrastructure Resilience – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Cyber Infrastructure Resilience | \$40,204 | \$72,710 | - | (\$72,710) |
| Total | \$40,204 | \$72,710 | - | (\$72,710) |
| Discretionary - Appropriation | \$40,204 | \$72,710 | - | (\$72,710) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$472 | - | - | - |
| 22.0 Transportation of Things | \$14 | - | - | - |
| 23.1 Rental Payments to GSA | \$570 | - | - | - |
| 24.0 Printing and Reproduction | \$100 | - | - | - |
| 25.1 Advisory and Assistance Services | \$18,064 | \$72,710 | - | (\$72,710) |
| 25.2 Other Services from Non-Federal Sources | \$75 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$15,256 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$1,174 | - | - | - |
| 26.0 Supplies and Materials | \$91 | - | - | - |
| 31.0 Equipment | \$88 | - | - | - |
| 41.0 Grants, Subsidies, and Contributions | \$4,300 | - | - | - |
| Total - Non Pay Object Classes | \$40,204 | \$72,710 | - | (\$72,710) |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| Cyber Education and Awareness | \$18,079 | \$41,180 | - | (\$41,180) |
| Enhanced Cybersecurity Services | \$12,256 | \$18,477 | - | (\$18,477) |
| Cybersecurity Advisors | \$9,869 | \$3,623 | - | (\$3,623) |
| Cybersecurity Technology Strategic Initiative | - | \$9,430 | - | (\$9,430) |
| Total – Non Pay Cost Drivers | \$40,204 | \$72,710 | - | (\$72,710) |

Explanation of Non Pay Cost Drivers

Due to changes in CISA's PPA structure, the non pay cost drivers listed in the above table are no longer being utilized.

Federal Cybersecurity – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|------------------|----------------------------|------------|------------------|---------------------------------------|------------|---------------|---|--------------|--------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Federal Cybersecurity | 348 | 272 | \$463,267 | 369 | 294 | \$493,668 | - | - | - | (369) | (294) | (\$493,668) |
| Total | 348 | 272 | \$463,267 | 369 | 294 | \$493,668 | - | - | - | (369) | (294) | (\$493,668) |
| Subtotal Discretionary - Appropriation | 348 | 272 | \$463,267 | 369 | 294 | \$493,668 | - | - | - | (369) | (294) | (\$493,668) |

PPA Level II Description

Due to changes in CISA's PPA structure, this PPA is no longer being utilized. The Federal Cybersecurity program historically included the CDM program, NCPS program, and Federal Network Resilience (FNR).

Federal Cybersecurity – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|--------------|--------------|--------------------|
| FY 2019 Enacted | 348 | 272 | \$463,267 |
| FY 2020 Enacted | 369 | 294 | \$493,668 |
| FY 2021 Base Budget | 369 | 294 | \$493,668 |
| Realignment for PPA from C/FC to C/CO | (12) | (6) | (\$25,431) |
| Realignment for PPA from C/FC to C/TS | - | - | (\$17,608) |
| Realignment for PPA from C/FC to MS/MS | - | - | (\$34) |
| Realignment for PPA from CSD/C/FC/CDM to MBS/MS/MS/CTO | (2) | (2) | (\$546) |
| Realignment for PPA from CSD/FC/CDM to CSD/C/TS/CDM | (84) | (64) | (\$94,514) |
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Capacity Build | (57) | (40) | (\$31,553) |
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Oper Planning & Coord | (5) | (5) | (\$2,584) |
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Threat Hunting | (1) | (1) | (\$180) |
| Realignment for PPA from CSD/FC/FNR to CSD/C/CO/Vulnerability A | (31) | (24) | (\$21,623) |
| Realignment for PPA from CSD/FC/FNR to IOD/IO/RO/Coord & Service D | (1) | (1) | (\$211) |
| Realignment for PPA from CSD/FC/NCPS to CSD/C/TS/NCPS | (176) | (151) | (\$299,384) |
| Total Transfers | (369) | (294) | (\$493,668) |
| Total Adjustments-to-Base | (369) | (294) | (\$493,668) |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | (369) | (294) | (\$493,668) |

Federal Cybersecurity – PPA Level II Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|------------|-----------------|-----------------|-----------------|------------|-----------------|-----------------|----------------------------|----------|----------|----------|--------------------------|--------------|-------------------|-------------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Federal Cybersecurity | 348 | 272 | \$61,573 | \$226.37 | 369 | 294 | \$51,012 | \$173.51 | - | - | - | - | (369) | (294) | (\$51,012) | (\$173.51) |
| Total | 348 | 272 | \$61,573 | \$226.37 | 369 | 294 | \$51,012 | \$173.51 | - | - | - | - | (369) | (294) | (\$51,012) | (\$173.51) |
| Discretionary - Appropriation | 348 | 272 | \$61,573 | \$226.37 | 369 | 294 | \$51,012 | \$173.51 | - | - | - | - | (369) | (294) | (\$51,012) | (\$173.51) |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$36,692 | \$51,012 | - | (\$51,012) |
| 11.3 Other than Full-Time Permanent | \$91 | - | - | - |
| 11.5 Other Personnel Compensation | \$2,816 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$21,974 | - | - | - |
| Total - Personnel Compensation and Benefits | \$61,573 | \$51,012 | - | (\$51,012) |
| Positions and FTE | | | | |
| Positions - Civilian | 348 | 369 | - | (369) |
| FTE - Civilian | 272 | 294 | - | (294) |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|-------------------------------|----------|----------|-------------------------------------|-------------------|-------------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Information Technology Personnel | 257 | \$58,774 | \$228.69 | 279 | \$48,693 | \$174.53 | - | - | - | (279) | (\$48,693) | (\$174.53) |
| Program Management Personnel | 15 | \$2,799 | \$186.61 | 15 | \$2,319 | \$154.60 | - | - | - | (15) | (\$2,319) | (\$154.60) |
| Total – Pay Cost Drivers | 272 | \$61,573 | \$226.37 | 294 | \$51,012 | \$173.51 | - | - | - | (294) | (\$51,012) | (\$173.51) |

Explanation of Pay Cost Drivers

Due to changes in CISA's PPA structure, the pay cost drivers listed in the above table are no longer being utilized.

Federal Cybersecurity – PPA Level II Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------|------------------|-------------------------------|-------------------------------------|
| Federal Cybersecurity | \$401,694 | \$442,656 | - | (\$442,656) |
| Total | \$401,694 | \$442,656 | - | (\$442,656) |
| Discretionary - Appropriation | \$401,694 | \$442,656 | - | (\$442,656) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$370 | - | - | - |
| 22.0 Transportation of Things | \$275 | - | - | - |
| 23.1 Rental Payments to GSA | \$10,870 | - | - | - |
| 24.0 Printing and Reproduction | \$123 | - | - | - |
| 25.1 Advisory and Assistance Services | \$194,486 | \$442,656 | - | (\$442,656) |
| 25.2 Other Services from Non-Federal Sources | \$799 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$97,115 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$37,620 | - | - | - |
| 26.0 Supplies and Materials | \$375 | - | - | - |
| 31.0 Equipment | \$58,593 | - | - | - |
| 32.0 Land and Structures | \$1,068 | - | - | - |
| Total - Non Pay Object Classes | \$401,694 | \$442,656 | - | (\$442,656) |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| National Cybersecurity Protection System (NCPS) | \$262,277 | \$291,318 | - | (\$291,318) |
| Continuous Diagnostics and Mitigation (CDM) | \$105,330 | \$97,029 | - | (\$97,029) |
| Federal Network Resilience (FNR) | \$34,087 | \$54,309 | - | (\$54,309) |
| Total – Non Pay Cost Drivers | \$401,694 | \$442,656 | - | (\$442,656) |

Explanation of Non Pay Cost Drivers

Due to changes in CISA's PPA structure, the non pay cost drivers listed in the above table are no longer being utilized.

*Cyber Operations – PPA Level II***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----|--------|--------------------|-----|--------|-------------------------------|------------|------------------|-------------------------------------|------------|------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Cyber Operations | - | - | - | - | - | - | 581 | 462 | \$407,497 | 581 | 462 | \$407,497 |
| Total | - | - | - | - | - | - | 581 | 462 | \$407,497 | 581 | 462 | \$407,497 |
| Subtotal Discretionary - Appropriation | - | - | - | - | - | - | 581 | 462 | \$407,497 | 581 | 462 | \$407,497 |

PPA Level II Description

With the establishment of a new PPA structure, the Cyber Operations PPA will be used to support strategy and performance, threat hunting, vulnerability management, capacity building, and operational planning and coordination. This includes various information sharing, coordination, and operational activities to understand and address threats, vulnerabilities, risks, and incidents, including supply chain security risks and incidents. This PPA will support DHS serving as the executive agency for supply chain information sharing, if identified for that role by the Federal Acquisition Security Council.

Strategy and Performance: Strategy and Performance assists, oversees and coordinates implementation of cyber activities and strategic execution for all of the Cybersecurity Division. FY 2021 activities include Strategic Initiatives; Governance and Planning; and Budget and Finance.

Threat Hunting: Threat Hunting is CISA's lead to identify, analyze, and address significant cyber threats across all domains. FY 2021 activities include detection activities, countermeasure development, as well as hunt and incident response services. CISA will also continue the CyberSentry effort, detecting threats in critical infrastructure networks operating ICS in the private sector.

Vulnerability Management: Vulnerability Management is CISA's lead to identify, analyze, and address significant vulnerabilities across all domains. FY 2021 activities include assessment services, analysis, prioritization, and remediation recommendations. Vulnerability Management will work to assess, manage, and ultimately reduce vulnerabilities impacting the Nation's government and critical infrastructure. FY 2021 efforts will increase support for Federal and SLTT-related network vulnerability management activities, providing additional onsite assessments, cyber hygiene, and phishing assessments.

Capacity Building: Capacity Building enables CISA’s customers across all domains to more effectively understand, prioritize, and manage cybersecurity risk. FY 2021 activities include leading the implementation of key cybersecurity initiatives, serving as CISA’s ‘Voice of Customer,’ standardizing key cybersecurity capabilities, delivering tools and services to strengthen customers’ cyber defenses, enabling the exchange of classified and unclassified cyber threat indicators, and coordinating policy and governance efforts to administer the cybersecurity of the Federal civilian enterprise, including efforts related to High Value Assets and Trusted Internet Connection. Additionally, CISA manages cybersecurity workforce training activities out of this PPA.

Operational Planning and Coordination: Operational Planning and Coordination organizes and enables operational cyber activities across CISA and engages partner organizations in the execution of those activities, including the Multi-State Information Sharing and Analysis Center (MS-ISAC) grant program that encompasses EI-ISAC activities. Operational Planning and Coordination identifies and plans towards an operational outcome, coordinates equities across CISA, works with partners to execute, and produces technical communications that result in actionable improvements towards the cyber mission.

Multi-State Information Sharing and Analysis Center Grant Funding

| MS-ISAC Grant <i>(Dollars in thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|---|----------------------------|----------------------------|---|
| MS-ISAC Grant Funding | \$9,516 | \$20,955 | \$9,516 |

Figure: Cyber Education and Awareness Initiatives

| Activity | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|-----------------|-----------------|----------------------------|
| Salaries & Benefits | \$1,803 | \$5,284 | \$5,476 |
| Program Support | \$553 | \$553 | \$503 |
| Higher Education | \$400 | \$300 | \$300 |
| Training & Workforce Development | \$7,565 | \$29,601 | \$30,498 |
| K-12 Education | \$4,300 | \$4,300 | - |
| Education Outreach & Awareness | \$1,068 | \$1,068 | \$1,068 |
| Cybersecurity Awareness | \$550 | \$550 | \$550 |
| NICCS Portal | \$2,299 | \$2,299 | \$3,684 |
| TOTAL, Cyber Education & Awareness (Dollars in Thousands) | \$18,538 | \$43,955 | \$42,079 |

Higher Education: Provides support to the Scholarship for Service (SFS) program, which DHS supports in partnership with the National Science Foundation. The SFS program seeks to increase the number of qualified employees working for FSLTT governments, and to increase the capacity of the United States education enterprise to produce professionals in technology areas of critical need. SFS provides funds to colleges and universities for student scholarships; DHS's portion supports two annual job fairs.

Training & Workforce Development: Provides support for training and workforce development programs intended to build a national workforce capable of protecting our systems against threats and attacks. This support includes providing training to Federal departments and agencies, facilitating programs such as the co-development of the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework, the recent expansion of the NICE Framework Work Role Capability Indicators, and other workforce development resources. This also supports the maintenance and expansion of the Federal Virtual Training Environment (FedVTE), which provides free cybersecurity training to all U.S. government employees and U.S. Veterans. Significantly more funding is allocated in the FY 2020 budget versus the FY 2019 budget due to the consolidation of cyber training funding from across the organization in the Cyber Education and Awareness PPA Level III beginning in FY 2020. The additional funding will support Industrial Control Systems training, Cybersecurity Exercises, new training course development and the foundation and support structure to create a Federal cybersecurity training program. The program will allow CISA to meet the Federal government's chronic and systemic need for skilled cybersecurity professionals through partnerships to deliver curricula as well as ensuring the curricula meets the highest standards of excellence and standardization.

K through 12 Education: This activity utilized the Cybersecurity Education and Training Assistance Program (CETAP) grant to support the development of cybersecurity-integrated high school curricula.

Education Outreach and Awareness: Provides support for all general education and outreach activities intended to build the national workforce pipeline. This work includes the development and execution of strategies and plans to communicate the importance, value, and impact of cybersecurity careers and to engage stakeholders and partners to support these pipeline development efforts. Sample activities include preparing for and conducting outreach events, developing and releasing communication materials, and writing and promoting new cybersecurity workforce development resources.

Cybersecurity Awareness: Provides support for programs intended to build the cybersecurity knowledge of our Nation, to inform future workers about cybersecurity careers, and to ensure every American has the resources they need to stay safer and more secure online.

NICCS Portal: The National Initiative for Cybersecurity Careers and Studies (NICCS) website hosts DHS/CISA-developed workforce development tools for public use. NICCS also provides the Nation with information on training and education necessary to pursue entry into careers in cybersecurity and critical infrastructure protection. The current site includes tools to help employers to close skill gaps in their workforce with education and training. It also includes tools that help employers to create open positions.

Cyber Operations – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|---|------------|------------|------------------|
| FY 2019 Enacted | - | - | - |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| Realignment for OCC from C/CO/SP to MS/MS/MS | - | - | (\$3,464) |
| Realignment for PPA from CSD/C/CO/Capacity Build | (1) | (1) | (\$1,065) |
| Realignment for PPA to C/CO from C/CIR | 6 | 3 | \$11,490 |
| Realignment for PPA to C/CO from C/CRR | 49 | 25 | \$118,752 |
| Realignment for PPA to C/CO from C/FC | 12 | 6 | \$25,431 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CIR/CEA | 14 | 13 | \$20,582 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CIR/ECS | 8 | 5 | \$13,154 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CRR/NCCIC Ops | 6 | 6 | \$664 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/CRR/NCCIC P&E | 1 | 1 | \$5,877 |
| Realignment for PPA to CSD/C/CO/Capacity Build from CSD/C/FC/FNR | 57 | 40 | \$31,553 |
| Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/CRR/NCCIC Ops | 15 | 15 | \$12,797 |
| Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/CRR/NCCIC P&E | 36 | 21 | \$20,737 |
| Realignment for PPA to CSD/C/CO/Ops Planning & C from CSD/C/FC/FNR | 5 | 5 | \$2,584 |
| Realignment for PPA to CSD/C/CO/Strategy and P from CSD/C/CRR/NCCIC P&E | 30 | 29 | \$6,591 |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/CRR/NCCIC Ops | 134 | 114 | \$92,919 |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/CRR/NCCIC P&E | 27 | 27 | \$21,710 |
| Realignment for PPA to CSD/C/CO/Threat Hunting from CSD/C/FC/FNR | 1 | 1 | \$180 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC Ops | 27 | 22 | \$3,057 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/CRR/NCCIC P&E | 56 | 34 | \$41,990 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/FC/FNR | 31 | 24 | \$21,623 |
| Realignment for PPA to CSD/C/CO/Vulnerability M from CSD/IO/SER/SER | 4 | 4 | \$602 |
| Realignment for PPA to O&S/CSD/C/CO/Vulnerability M from O&S/CSD/CIR/CEA | - | - | \$466 |
| Total Transfers | 518 | 394 | \$448,230 |
| 2020 Pay Raise | - | - | \$2,034 |
| 2021 Pay Raise | - | - | \$494 |
| Annualization of Federal Network Resilience .gov Governance | - | 2 | \$211 |
| Annualization of Federal Network Resilience High Value Assets | - | 2 | \$310 |

Cybersecurity - PPA

Cyber Operations - PPA II

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|------------|-------------------|
| Annualization of FY 2020 Cyber Sentry | - | 2 | \$284 |
| Annualization of FY 2020 Support to State and Local Governments | - | 10 | \$1,299 |
| Enhanced Cybersecurity Services (ECS) FY 2021 Personnel Adjustment | 2 | 2 | - |
| FERS Agency Contribution | - | - | \$572 |
| HIRT and NCATS FY 2021 Personnel Adjustment | 38 | 38 | - |
| Total, Pricing Increases | 40 | 56 | \$5,204 |
| Efficiencies | - | - | (\$1,923) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$40) |
| Total, Pricing Decreases | - | - | (\$1,963) |
| Total Adjustments-to-Base | 558 | 450 | \$451,471 |
| FY 2021 Current Services | 558 | 450 | \$451,471 |
| Awards Spending Increase | - | - | \$659 |
| Cyber Sentry | - | - | \$4,000 |
| Vulnerability Management | 29 | 15 | \$20,806 |
| Total, Program Increases | 29 | 15 | \$25,465 |
| Cyber Engagement Programs | (1) | - | (\$2,550) |
| Cybersecurity Services for Critical Infrastructure Sectors | - | - | (\$3,000) |
| Industrial Control Systems | - | - | (\$11,400) |
| Shared Cybersecurity Services Marketplace | 14 | 7 | (\$4,050) |
| SLTT Cyber Information Sharing Pilot | - | - | (\$3,000) |
| Support to State and Local Governments | - | - | (\$11,439) |
| Threat Analysis and Response | (19) | (10) | (\$34,000) |
| Total, Program Decreases | (6) | (3) | (\$69,439) |
| FY 2021 Request | 581 | 462 | \$407,497 |
| FY 2020 To FY 2021 Change | 581 | 462 | \$407,497 |

Cyber Operations PPA Level II Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|-----|--------|------|-----------------|-----|--------|------|----------------------------|------------|-----------------|-----------------|--------------------------|------------|-----------------|-----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Cyber Operations | - | - | - | - | - | - | - | - | 581 | 462 | \$84,002 | \$181.82 | 581 | 462 | \$84,002 | \$181.82 |
| Total | - | - | - | - | - | - | - | - | 581 | 462 | \$84,002 | \$181.82 | 581 | 462 | \$84,002 | \$181.82 |
| Discretionary - Appropriation | - | - | - | - | - | - | - | - | 581 | 462 | \$84,002 | \$181.82 | 581 | 462 | \$84,002 | \$181.82 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | - | - | \$73,480 | \$73,480 |
| 12.1 Civilian Personnel Benefits | - | - | \$10,522 | \$10,522 |
| Total - Personnel Compensation and Benefits | - | - | \$84,002 | \$84,002 |
| Positions and FTE | | | | |
| Positions - Civilian | - | - | 581 | 581 |
| FTE - Civilian | - | - | 462 | 462 |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|--------|------|--------------------|--------|------|-------------------------------|-----------------|-----------------|-------------------------------------|-----------------|-----------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Strategy and Performance | - | - | - | - | - | - | 29 | \$1,071 | \$36.93 | 29 | \$1,071 | \$36.93 |
| Threat Hunting | - | - | - | - | - | - | 144 | \$27,580 | \$191.53 | 144 | \$27,580 | \$191.53 |
| Vulnerability Management | - | - | - | - | - | - | 152 | \$29,112 | \$191.53 | 152 | \$29,112 | \$191.53 |
| Capacity Building | - | - | - | - | - | - | 86 | \$16,471 | \$191.53 | 86 | \$16,471 | \$191.53 |
| Operational Planning and Coordination | - | - | - | - | - | - | 51 | \$9,768 | \$191.53 | 51 | \$9,768 | \$191.53 |
| Total Pay Cost Drivers | - | - | - | - | - | - | 462 | \$84,002 | \$181.82 | 462 | \$84,002 | \$181.82 |

Explanation of Pay Cost Drivers

Strategy and Performance: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Threat Hunting: This cost driver supports the transferred personnel as a result of the PPA realignments minus the personnel associated with a program change decrease, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Vulnerability Management: This cost driver supports the transferred personnel as a result of the PPA realignments, a program change request of 29 additional positions, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Capacity Building: This cost driver supports the transferred personnel as a result of the PPA realignments, full year annualizations, net program change requests of 13 additional positions, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Operational Planning and Coordination: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Cyber Operations – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Cyber Operations | - | - | \$323,495 | \$323,495 |
| Total | - | - | \$323,495 | \$323,495 |
| Discretionary - Appropriation | - | - | \$323,495 | \$323,495 |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 25.1 Advisory and Assistance Services | - | - | \$323,495 | \$323,495 |
| Total - Non Pay Object Classes | - | - | \$323,495 | \$323,495 |

Non Pay Cost Drivers

| Non Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|--------------------|--------------------|-------------------------------|-------------------------------------|
| Threat Hunting | - | - | \$91,285 | \$91,285 |
| Vulnerability Management | - | - | \$118,744 | \$118,744 |
| Capacity Building | - | - | \$85,450 | \$85,450 |
| Operational Planning and Coordination | - | - | \$28,016 | \$28,016 |
| Total Non Pay Cost Drivers | - | - | \$323,495 | \$323,495 |

Explanation of Non Pay Cost Drivers

Threat Hunting: Threat Hunting is CISA's lead to identify, analyze, and address significant cyber threats across all domains. FY 2021 activities include detection activities, countermeasure development, as well as hunt and incident response services. CISA will also continue the CyberSentry effort, detecting threats in critical infrastructure networks operating Industrial Control Systems (ICS) in the private sector.

Vulnerability Management: Vulnerability Management is CISA's lead to identify, analyze, and address significant vulnerabilities across all domains. FY 2021 activities include assessment services, analysis, prioritization, and remediation recommendations. Vulnerability Management will work to assess, manage, and ultimately reduce vulnerabilities impacting the Nation's government and critical infrastructure. FY 2021 efforts will increase support for Federal and SLTT-related network vulnerability management activities, providing additional onsite assessments, cyber hygiene, and phishing assessments.

Capacity Building: Capacity Building enables CISA's customers across all domains to more effectively understand, prioritize, and manage cybersecurity risk. FY 2021 activities include leading the implementation of key cybersecurity initiatives, serving as CISA's 'Voice of Customer,' standardizing key cybersecurity capabilities, delivering tools and services to strengthen customers' cyber defenses, enabling the exchange of classified and unclassified cyber threat indicators, and coordinating policy and governance efforts to administer the cybersecurity of the Federal civilian enterprise, including efforts related to High Value Assets and Trusted Internet Connection. Additionally, CISA manages cybersecurity workforce training activities out of this PPA.

Operational Planning and Coordination: Operational Planning and Coordination organizes and enables operational cyber activities across CISA and engages partner organizations in the execution of those activities, including the MS-ISAC grant program that encompasses EI-ISAC activities. Operational Planning and Coordination identifies and plans towards an operational outcome, coordinates equities across CISA, works with partners to execute, and produces technical communications that result in actionable improvements towards the cyber mission.

*Technology and Services PPA Level II***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----|--------|--------------------|-----|--------|-------------------------------|------------|------------------|-------------------------------------|------------|------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Technology and Services | - | - | - | - | - | - | 282 | 247 | \$394,178 | 282 | 247 | \$394,178 |
| Total | - | - | - | - | - | - | 282 | 247 | \$394,178 | 282 | 247 | \$394,178 |
| Subtotal Discretionary - Appropriation | - | - | - | - | - | - | 282 | 247 | \$394,178 | 282 | 247 | \$394,178 |

PPA Level II Description

The Technology and Services PPA includes the CDM program, NCPS program, and Cybersecurity Services.

Continuous Diagnostics and Mitigation (CDM): The CDM program provides the Department, along with other Federal agencies, with capabilities and tools to identify cybersecurity risks on an ongoing basis, prioritize these risks based on potential impacts, and enable cybersecurity personnel to mitigate the most significant problems first.

National Cybersecurity Protection System (NCPS): The NCPS program is an integrated system that delivers intrusion detection, intrusion prevention, analytics, and information sharing capabilities that combat and mitigate cyber threats to the Federal executive branch information and networks.

Cybersecurity Services: Cybersecurity Services supports CISA's mission execution and deployed technologies, including portfolio management, and allows CISA to provide essential technical network architecture and services to Federal agencies and other stakeholders.

The FY 2021 request will allow CISA to continue providing the necessary tools and services for all phases of the CDM program to enable Federal and other government information technology networks to strengthen the security posture of their own cyber networks. It will also enable continued enhancements for the protection of Federal civilian departments' and agencies' information technology infrastructures from cyber threats through the execution of the NCPS program and support provided through Cybersecurity Services. Together, CDM and NCPS share a common goal of protecting infrastructure by providing a common baseline designed to provide a common approach, consistent cross-agency results, and foundational security capabilities across the Federal civilian enterprise. CISA's Technology and Services PPA will leverage capabilities and platforms, including those delivered by CDM and NCPS programs, in order to merge technologies to meet operational requirements. The application of such tools and capabilities enables CISA to enhance its awareness of risks to the cybersecurity landscape.

Technology and Services – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|------------|------------|-------------------|
| FY 2019 Enacted | - | - | - |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| Realignment for PPA to C/TS from C/FC | - | - | \$17,608 |
| Realignment for PPA to CSD/C/TS/CDM from CSD/C/FC/CDM | 84 | 64 | \$94,514 |
| Realignment for PPA to CSD/C/TS/Cybersecurity S from CSD/C/CRR/NCCIC Ops | - | - | \$4,849 |
| Realignment for PPA to CSD/C/TS/Cybersecurity S from CSD/C/CRR/NCCIC P&E | - | - | \$2,941 |
| Realignment for PPA to O&S/CSD/C/TS/NCPS from O&S/CSD/C/FC/NCPS | 176 | 151 | \$299,384 |
| Total Transfers | 260 | 215 | \$419,296 |
| 2020 Pay Raise | - | - | \$1,311 |
| 2021 Pay Raise | - | - | \$314 |
| Annualization of FY 2020 CDM FTE | - | 10 | \$1,045 |
| FERS Agency Contribution | - | - | \$365 |
| Total, Pricing Increases | - | 10 | \$3,035 |
| Efficiencies | - | - | (\$1,047) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$65) |
| Total, Pricing Decreases | - | - | (\$1,112) |
| Total Adjustments-to-Base | 260 | 225 | \$421,219 |
| FY 2021 Current Services | 260 | 225 | \$421,219 |
| Awards Spending Increase | - | - | \$419 |
| Total, Program Increases | - | - | \$419 |
| Continuous Diagnostics and Mitigation (CDM) | 22 | 22 | (\$5,441) |
| NCPS O&S | - | - | (\$22,019) |
| Total, Program Decreases | 22 | 22 | (\$27,460) |
| FY 2021 Request | 282 | 247 | \$394,178 |
| FY 2020 To FY 2021 Change | 282 | 247 | \$394,178 |

Technology and Services – PPA Level II Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|-----|--------|------|-----------------|-----|--------|------|----------------------------|-----|----------|---------|--------------------------|-----|----------|---------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Technology and Services | - | - | - | - | - | - | - | - | 282 | 247 | \$51,820 | \$209.8 | 282 | 247 | \$51,820 | \$209.8 |
| Total | - | - | - | - | - | - | - | - | 282 | 247 | \$51,820 | \$209.8 | 282 | 247 | \$51,820 | \$209.8 |
| Discretionary - Appropriation | - | - | - | - | - | - | - | - | 282 | 247 | \$51,820 | \$209.8 | 282 | 247 | \$51,820 | \$209.8 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | - | - | \$40,674 | \$40,674 |
| 12.1 Civilian Personnel Benefits | - | - | \$10,362 | \$10,362 |
| 12.2 Military Personnel Benefits | - | - | \$784 | \$784 |
| Total - Personnel Compensation and Benefits | - | - | \$51,820 | \$51,820 |
| Positions and FTE | | | | |
| Positions - Civilian | - | - | 282 | 282 |
| FTE - Civilian | - | - | 247 | 247 |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|--------|------|--------------------|--------|------|-------------------------------|-----------------|-----------------|-------------------------------------|-----------------|-----------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Continuous Diagnostics and Mitigation | - | - | - | - | - | - | 96 | \$20,141 | \$209.80 | 96 | \$20,125 | \$209.80 |
| National Cybersecurity Protection System | - | - | - | - | - | - | 151 | \$31,679 | \$209.80 | 151 | \$31,656 | \$209.80 |
| Total – Pay Cost Drivers | - | - | - | - | - | - | 247 | \$51,820 | \$209.80 | 247 | \$51,781 | \$209.80 |

Explanation of Pay Cost Drivers

Continuous Diagnostics and Mitigation: This cost driver supports the transferred personnel as a result of the PPA realignments, full year annualizations, a program increase of 22 positions, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

National Cybersecurity Protection System: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Technology and Services – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Technology and Services | - | - | \$342,358 | \$342,358 |
| Total | - | - | \$342,358 | \$342,358 |
| Discretionary - Appropriation | - | - | \$342,358 | \$342,358 |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 25.1 Advisory and Assistance Services | - | - | \$342,358 | \$342,358 |
| Total - Non Pay Object Classes | - | - | \$342,358 | \$342,358 |

Non Pay Cost Drivers

| Non Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|--------------------|--------------------|-------------------------------|-------------------------------------|
| Cybersecurity Services | - | - | \$7,870 | \$7,870 |
| Continuous Diagnostics and Mitigation | - | - | \$87,243 | \$87,243 |
| National Cybersecurity Protection System | - | - | \$247,245 | \$247,245 |
| Total – Non Pay Cost Drivers | - | - | \$342,358 | \$342,358 |

Explanation of Non Pay Cost Drivers

Cybersecurity Services: The FY 2021 funding reflects CISA's mission execution and deployed cybersecurity portfolio management and technology support efforts.

Continuous Diagnostics and Mitigation: These cost reflect an adjustment associated with the program's acquisition life cycle cost estimate.

National Cybersecurity Protection System: These cost are attributed to the requested decrease to NCPS operations and maintenance.

Infrastructure Security – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|---|--------------------|------------|------------------|--------------------|------------|------------------|-------------------------------|------------|-----------------|-------------------------------------|--------------|--------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Infrastructure Capacity Building | 418 | 348 | \$128,470 | 425 | 350 | \$147,901 | - | - | - | (425) | (350) | (\$147,901) |
| Infrastructure Security Compliance | 288 | 229 | \$74,435 | 288 | 229 | \$75,511 | - | - | - | (288) | (229) | (\$75,511) |
| Infrastructure Assessments and Security | - | - | - | - | - | - | 176 | 159 | \$88,107 | 176 | 159 | \$88,107 |
| Total | 706 | 577 | \$202,905 | 713 | 579 | \$223,412 | 176 | 159 | \$88,107 | (537) | (420) | (\$135,305) |
| Subtotal Discretionary - Appropriation | 706 | 577 | \$202,905 | 713 | 579 | \$223,412 | 176 | 159 | \$88,107 | (537) | (420) | (\$135,305) |

PPA Level I Description

The Infrastructure Security PPA in the O&S appropriation funds the coordinated national effort to oversee the National Infrastructure Protection Plan (NIPP) and manage risks to our Nation's critical infrastructure through coordination with private and public infrastructure partners. The clear majority of our Nation's critical infrastructure is owned and operated by the private sector, and the programs funded via this PPA are based on building partnerships, planning for preparedness, and sharing information and tools to ensure the availability, security, and resilience of the Nation's critical infrastructure. This PPA conducts and facilitates vulnerability and consequence assessments to help critical infrastructure owners and operators and SLTT partners understand and address risks to critical infrastructure. Additionally, the Infrastructure Security PPA provides information on emerging threats and hazards and offers tools and training to partners to help them manage risks to critical infrastructure.

The Infrastructure Security PPA contains the following Level II PPAs:

Infrastructure Capacity Building: Due to the change in the CISA PPA structure this PPA is no longer being utilized. Historically this PPA increased the security and resilience of facilities, systems, networks, and surrounding communities to cyber, physical, and human risks through partnership efforts. The PPA provided for analysis, expertise, and other technical assistance to critical infrastructure owners and operators. It additionally facilitated access to, and the exchange of, information and intelligence necessary to strengthen the security and resilience of critical infrastructure.

Infrastructure Security Compliance: Due to the change in the CISA PPA structure this PPA is no longer being utilized. This PPA historically increased the security of dangerous chemicals through provision of analysis, expertise, and technical assistance to chemical facilities. It provided for the Nation's high-risk chemical facilities through the systematic regulation, inspection, and enforcement under the authority of the Chemical Facility Anti-Terrorism Standards, and also supported the ongoing development of the Ammonium Nitrate Security Program and a holistic approach to the security risk management of other improvised explosive device precursors through both regulatory and voluntary options.

Infrastructure Assessments and Security: This PPA increases the security and resilience of facilities, systems, networks, and surrounding communities to cyber, physical, and human risks through partnership efforts. The PPA provides for analysis, expertise, and other technical assistance to critical infrastructure owners and operators. It additionally facilitates access to, and the exchange of, information and intelligence necessary to strengthen the security and resilience of critical infrastructure. This PPA also provides leadership, oversight and coordination of the implementation of infrastructure security activities and strategic execution for all of the Infrastructure Security Division.

Chemical Security: In FY 2021, the President's Budget eliminates funding for the CFATS program. This will allow CISA to provide voluntary support for chemical production facilities without the unnecessary burden of regulatory requirements,

Infrastructure Security – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|------------------|------------------|-----------------|
| Enacted/Request | \$202,905 | \$223,412 | \$88,107 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | - | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$202,905 | \$223,412 | \$88,107 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$202,905 | \$223,412 | \$88,107 |
| Obligations (Actual/Estimates/Projections) | \$202,905 | \$223,412 | \$88,107 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | 706 | 713 | 176 |
| Enacted/Request FTE | 577 | 579 | 159 |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | 704 | 713 | 176 |
| FTE (Actual/Estimates/Projections) | 575 | 579 | 159 |

Infrastructure Security – PPA Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|------------|------------|------------------|
| FY 2019 Enacted | 706 | 577 | \$202,905 |
| FY 2020 Enacted | 713 | 579 | \$223,412 |
| FY 2021 Base Budget | 713 | 579 | \$223,412 |
| Realignment for OCC from IS/IAS/SP to MS/MS/MS | - | - | (\$3,367) |
| Realignment for PPA from IP/ICB to IO/OCF | - | - | (\$612) |
| Realignment for PPA from IP/ICB to IO/RO | (15) | (8) | (\$5,192) |
| Realignment for PPA from IP/ICB to IS/IAS | (21) | (11) | (\$14,356) |
| Realignment for PPA from IP/ICB to RMO/RMO | - | - | (\$1,088) |
| Realignment for PPA from IP/ISC to EC/PTS | - | - | (\$14) |
| Realignment for PPA from IP/ISC to IO/RO | - | - | (\$19,424) |
| Realignment for PPA from IP/ISC to MS/MS | - | - | (\$35) |
| Realignment for PPA from ISD/ICB/PSA to IOD/IO/RO/Coord & Service Delivery | - | - | (\$3,160) |
| Realignment for PPA from ISD/IP/ICB/BP to ISD/IS/IAS/Bombing Prev | (22) | (21) | (\$16,032) |
| Realignment for PPA from ISD/IP/ICB/IISDP to IOD/IO/RO/Coord & Serv D | (1) | (1) | (\$124) |
| Realignment for PPA from ISD/IP/ICB/IISDP to ISD/IP/ICB/Sector Risk Mgmt | (2) | (2) | (\$310) |
| Realignment for PPA from ISD/IP/ICB/IISDP to ISD/IS/IAS/Assessments & II | (57) | (48) | (\$16,806) |
| Realignment for PPA from ISD/IP/ICB/SRM to IOD/IO/RO/Coord & Service D | (34) | (31) | (\$8,104) |
| Realignment for PPA from ISD/IP/ICB/SRM to IOD/IO/RO/Security Advisors | (151) | (122) | (\$35,521) |
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Assessments & II | (16) | (16) | (\$4,575) |
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/CISA Exer | (9) | (9) | (\$1,797) |
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Security Programs | (23) | (20) | (\$17,661) |
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Strat & Performance | (16) | (12) | (\$5,208) |
| Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/Council Mgmt | (17) | (14) | (\$2,516) |
| Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/SSAM | (33) | (30) | (\$11,260) |
| Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/Stakeholder E | (10) | (7) | (\$3,889) |
| Realignment for PPA from ISD/IP/ISC/ISC to IOD/RO/Chemical Inspectors | (180) | (150) | (\$25,436) |
| Realignment for PPA from ISD/IP/ISC/ISC to IOD/RO/Coord & Service D | (2) | (2) | (\$308) |
| Realignment for PPA from ISD/IP/ISC/ISC to ISD/IS/CS/Chemical Safety | (106) | (77) | (\$30,294) |
| Realignment for PPA from ISD/IS/CS/CS to IOD/RO/SA | - | - | (\$4,812) |
| Realignment for PPA to IS/IAS from IP/ICB | 21 | 11 | \$14,356 |

Operations and Support
Infrastructure Security - PPA

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|--------------|-------------------|
| Realignment for PPA to ISD/IS/CS/Chem Security from ISD/IP/ISC/ISC | 106 | 77 | \$30,294 |
| Realignment for PPA to ISD/IS/IAS/Assess and II from ISD/IO/SER/VA | 17 | 17 | \$16,271 |
| Realignment for PPA to ISD/IS/IAS/Assess and II from ISD/IP/ICB/PSA | 16 | 16 | \$4,575 |
| Realignment for PPA to ISD/IS/IAS/Bombing Prevention from ISD/IP/ICB/BP | 22 | 21 | \$16,032 |
| Realignment for PPA to ISD/IS/IAS/CISA Ex from CSD/C/CIR/CEA | 15 | 15 | \$10,058 |
| Realignment for PPA to ISD/IS/IAS/CISA Ex from CSD/C/CRR/NCCIC PE | 1 | 1 | \$35 |
| Realignment for PPA to ISD/IS/IAS/CISA Exer from ISD/IP/ICB/SRM | 9 | 9 | \$1,797 |
| Realignment for PPA to ISD/IS/IAS/Security Programs from ISD/IP/ICB/SRM | 23 | 20 | \$17,661 |
| Realignment for PPA to ISD/IS/IAS/Strategy and Perform from ISD/IP/ICB/SRM | 16 | 12 | \$5,208 |
| Realignment for PPA to ISD/IS/ICB/IISDP from ISD/IP/ICB/SRM | 2 | 2 | \$310 |
| Realignment for PPA to O&S/ISD/IS/IAS/Assess and II from O&S/ISD/IP/ICB/IISDP | 57 | 48 | \$16,806 |
| Total Transfers | (410) | (332) | (\$98,498) |
| 2020 Pay Raise | - | - | \$1,317 |
| 2021 Pay Raise | - | - | \$357 |
| Annualization of Support of Bomb Making Materials Awareness Program (BMAP) | - | - | \$963 |
| FERS Agency Contribution | - | - | \$414 |
| Total, Pricing Increases | - | - | \$3,051 |
| Efficiencies | - | - | (\$522) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$19) |
| Total, Pricing Decreases | - | - | (\$541) |
| Total Adjustments-to-Base | (410) | (332) | (\$95,988) |
| FY 2021 Current Services | 303 | 247 | \$127,424 |
| Awards Spending Increase | - | - | \$477 |
| Support to State and Local Governments | - | - | \$1,785 |
| Total, Program Increases | - | - | \$2,262 |
| CFATS | (106) | (77) | (\$26,497) |
| CISA Gateway O&S | - | - | (\$1,590) |
| CISA Regional Operations | (15) | (8) | (\$1,600) |
| Infrastructure Security Personnel | - | - | (\$2,325) |
| OBP Train the Trainer | - | - | (\$6,567) |
| School Safety/Soft Target | (6) | (3) | (\$3,000) |
| Total, Program Decreases | (127) | (88) | (\$41,579) |
| FY 2021 Request | 176 | 159 | \$88,107 |

Operations and Support

Infrastructure Security - PPA

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Infrastructure Security - PPA | | |
|--|-------------------------------|-------|-------------|
| | Positions | FTE | Amount |
| FY 2020 To FY 2021 Change | (537) | (420) | (\$135,305) |

Infrastructure Security – PPA Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|---|-----------------|------------|-----------------|-----------------|-----------------|------------|-----------------|-----------------|----------------------------|------------|-----------------|-----------------|--------------------------|--------------|-------------------|----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Infrastructure Capacity Building | 418 | 348 | \$57,651 | \$165.66 | 425 | 350 | \$55,051 | \$157.29 | - | - | - | - | (425) | (350) | (\$55,051) | (\$157.29) |
| Infrastructure Security Compliance | 288 | 229 | \$34,746 | \$151.73 | 288 | 229 | \$34,667 | \$151.38 | - | - | - | - | (288) | (229) | (\$34,667) | (\$151.38) |
| Infrastructure Assessments and Security | - | - | - | - | - | - | - | - | 176 | 159 | \$32,748 | \$205.96 | 176 | 159 | \$32,748 | \$205.96 |
| Total | 706 | 577 | \$92,397 | \$160.13 | 713 | 579 | \$89,718 | \$154.95 | 176 | 159 | \$32,748 | \$205.96 | (537) | (420) | (\$56,970) | \$51.01 |
| Discretionary - Appropriation | 706 | 577 | \$92,397 | \$160.13 | 713 | 579 | \$89,718 | \$154.95 | 176 | 159 | \$32,748 | \$205.96 | (537) | (420) | (\$56,970) | \$51.01 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$69,297 | \$89,718 | \$27,801 | (\$61,917) |
| 11.3 Other than Full-Time Permanent | \$1,387 | - | - | - |
| 11.5 Other Personnel Compensation | \$2,310 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$19,403 | - | \$4,947 | \$4,947 |
| Total - Personnel Compensation and Benefits | \$92,397 | \$89,718 | \$32,748 | (\$56,970) |
| Positions and FTE | | | | |
| Positions - Civilian | 706 | 713 | 176 | (537) |
| FTE - Civilian | 577 | 579 | 159 | (420) |

Infrastructure Security – PPA Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|---|------------------|------------------|-------------------------------|-------------------------------------|
| Infrastructure Capacity Building | \$70,819 | \$92,850 | - | (\$92,850) |
| Infrastructure Security Compliance | \$39,689 | \$40,844 | - | (\$40,844) |
| Infrastructure Assessments and Security | - | - | \$55,359 | \$55,359 |
| Total | \$110,508 | \$133,694 | \$55,359 | (\$78,335) |
| Discretionary - Appropriation | \$110,508 | \$133,694 | \$55,359 | (\$78,335) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$5,478 | - | - | - |
| 22.0 Transportation of Things | \$50 | - | - | - |
| 23.1 Rental Payments to GSA | \$4,853 | - | - | - |
| 23.2 Rental Payments to Others | \$30 | - | - | - |
| 23.3 Communications, Utilities, and Misc. Charges | \$11 | - | - | - |
| 24.0 Printing and Reproduction | \$170 | - | - | - |
| 25.1 Advisory and Assistance Services | \$47,731 | \$133,694 | \$55,359 | (\$78,335) |
| 25.2 Other Services from Non-Federal Sources | \$2,784 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$31,180 | - | - | - |
| 25.4 Operation and Maintenance of Facilities | \$795 | - | - | - |
| 25.5 Research and Development Contracts | \$50 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$13,397 | - | - | - |
| 26.0 Supplies and Materials | \$145 | - | - | - |
| 31.0 Equipment | \$3,162 | - | - | - |
| 32.0 Land and Structures | \$650 | - | - | - |
| 42.0 Insurance Claims and Indemnities | \$22 | - | - | - |
| Total - Non Pay Object Classes | \$110,508 | \$133,694 | \$55,359 | (\$78,335) |

Infrastructure Capacity Building – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|------------------|----------------------------|------------|------------------|---------------------------------------|------------|---------------|---|--------------|--------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Infrastructure Capacity Building | 418 | 348 | \$128,470 | 425 | 350 | \$147,901 | - | - | - | (425) | (350) | (\$147,901) |
| Total | 418 | 348 | \$128,470 | 425 | 350 | \$147,901 | - | - | - | (425) | (350) | (\$147,901) |
| Subtotal Discretionary - Appropriation | 418 | 348 | \$128,470 | 425 | 350 | \$147,901 | - | - | - | (425) | (350) | (\$147,901) |

PPA Level II Description

Due to changes in CISA's PPA structure, the Infrastructure Capacity Building PPA is no longer being utilized. Activities previously funded in this PPA will be primarily funded in FY 2021 in the Infrastructure Assessments and Security PPA. Historically, the Infrastructure Capacity Building PPA supported Sector Risk Management, Protective Security Advisors, Regional Service Delivery Model, Bombing Prevention, TRIPwire, Soft Targets, and CISA Gateway programs.

Infrastructure Capacity Building – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|--|--------------|--------------|--------------------|
| FY 2019 Enacted | 418 | 348 | \$128,470 |
| FY 2020 Enacted | 425 | 350 | \$147,901 |
| FY 2021 Base Budget | 425 | 350 | \$147,901 |
| Realignment for PPA from IP/ICB to IO/OCP | - | - | (\$612) |
| Realignment for PPA from IP/ICB to IO/RO | (15) | (8) | (\$5,192) |
| Realignment for PPA from IP/ICB to IS/IAS | (21) | (11) | (\$14,356) |
| Realignment for PPA from IP/ICB to RMO/RMO | - | - | (\$1,088) |
| Realignment for PPA from ISD/ICB/PSA to IOD/IO/RO/Coord & Service Delivery | - | - | (\$3,160) |
| Realignment for PPA from ISD/IP/ICB/BP to ISD/IS/IAS/Bombing Prev | (22) | (21) | (\$16,032) |
| Realignment for PPA from ISD/IP/ICB/IISDP to IOD/IO/RO/Coord & Serv D | (1) | (1) | (\$124) |
| Realignment for PPA from ISD/IP/ICB/IISDP to ISD/IP/ICB/Sector Risk Mgmt | (2) | (2) | (\$310) |
| Realignment for PPA from ISD/IP/ICB/IISDP to ISD/IS/IAS/Assessments & II | (57) | (48) | (\$16,806) |
| Realignment for PPA from ISD/IP/ICB/SRM to IOD/IO/RO/Coord & Service D | (34) | (31) | (\$8,104) |
| Realignment for PPA from ISD/IP/ICB/SRM to IOD/IO/RO/Security Advisors | (151) | (122) | (\$35,521) |
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Assessments & II | (16) | (16) | (\$4,575) |
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/CISA Exer | (9) | (9) | (\$1,797) |
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Security Programs | (23) | (20) | (\$17,661) |
| Realignment for PPA from ISD/IP/ICB/SRM to ISD/IS/IAS/Strat & Performance | (16) | (12) | (\$5,208) |
| Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/Council Mgmt | (17) | (14) | (\$2,516) |
| Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/SSAM | (33) | (30) | (\$11,260) |
| Realignment for PPA from ISD/IP/ICB/SRM to SED/SER/SER/Stakeholder E | (10) | (7) | (\$3,889) |
| Realignment for PPA to ISD/IS/ICB/IISDP from ISD/IP/ICB/SRM | 2 | 2 | \$310 |
| Total Transfers | (425) | (350) | (\$147,901) |
| Total Adjustments-to-Base | (425) | (350) | (\$147,901) |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | (425) | (350) | (\$147,901) |

Infrastructure Capacity Building – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|------------|-----------------|-----------------|-----------------|------------|-----------------|-----------------|----------------------------|----------|----------|----------|--------------------------|--------------|-------------------|-------------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Infrastructure Capacity Building | 418 | 348 | \$57,651 | \$165.66 | 425 | 350 | \$55,051 | \$157.29 | - | - | - | - | (425) | (350) | (\$55,051) | (\$157.29) |
| Total | 418 | 348 | \$57,651 | \$165.66 | 425 | 350 | \$55,051 | \$157.29 | - | - | - | - | (425) | (350) | (\$55,051) | (\$157.29) |
| Discretionary - Appropriation | 418 | 348 | \$57,651 | \$165.66 | 425 | 350 | \$55,051 | \$157.29 | - | - | - | - | (425) | (350) | (\$55,051) | (\$157.29) |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$43,238 | \$55,051 | - | (\$55,051) |
| 11.3 Other than Full-Time Permanent | \$865 | - | - | - |
| 11.5 Other Personnel Compensation | \$1,441 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$12,107 | - | - | - |
| Total - Personnel Compensation and Benefits | \$57,651 | \$55,051 | - | (\$55,051) |
| Positions and FTE | | | | |
| Positions - Civilian | 418 | 425 | - | (425) |
| FTE - Civilian | 348 | 350 | - | (350) |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|-------------------------------|----------|----------|-------------------------------------|-------------------|-------------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Program Personnel | 348 | \$57,651 | \$165.66 | 350 | \$55,051 | \$157.29 | - | - | - | (350) | (\$55,051) | (\$157.29) |
| Total – Pay Cost Drivers | 348 | \$57,651 | \$165.66 | 350 | \$55,051 | \$157.29 | - | - | - | (350) | (\$55,051) | (\$157.29) |

Explanation of Pay Cost Driver

Due to changes in CISA's PPA structure, the pay cost driver listed in the above table is no longer being utilized.

Infrastructure Capacity Building – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Infrastructure Capacity Building | \$70,819 | \$92,850 | - | (\$92,850) |
| Total | \$70,819 | \$92,850 | - | (\$92,850) |
| Discretionary - Appropriation | \$70,819 | \$92,850 | - | (\$92,850) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$2,842 | - | - | - |
| 22.0 Transportation of Things | \$25 | - | - | - |
| 23.1 Rental Payments to GSA | \$3,158 | - | - | - |
| 23.2 Rental Payments to Others | \$30 | - | - | - |
| 23.3 Communications, Utilities, and Misc. Charges | \$11 | - | - | - |
| 24.0 Printing and Reproduction | \$150 | - | - | - |
| 25.1 Advisory and Assistance Services | \$37,195 | \$92,850 | - | (\$92,850) |
| 25.2 Other Services from Non-Federal Sources | \$2,045 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$12,758 | - | - | - |
| 25.4 Operation and Maintenance of Facilities | \$500 | - | - | - |
| 25.5 Research and Development Contracts | \$50 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$8,676 | - | - | - |
| 26.0 Supplies and Materials | \$125 | - | - | - |
| 31.0 Equipment | \$2,602 | - | - | - |
| 32.0 Land and Structures | \$650 | - | - | - |
| 42.0 Insurance Claims and Indemnities | \$2 | - | - | - |
| Total - Non Pay Object Classes | \$70,819 | \$92,850 | - | (\$92,850) |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| Protective Security Advisors | \$18,645 | \$30,553 | - | (\$30,553) |
| Sector Risk Management | \$26,899 | \$30,897 | - | (\$30,897) |
| Bombing Prevention | \$14,167 | \$19,558 | - | (\$19,558) |
| Infrastructure Information and Sensitive Data Protection | \$11,108 | \$11,842 | - | (\$11,842) |
| Total – Non Pay Cost Drivers | \$70,819 | \$92,850 | - | (\$92,850) |

Explanation of Non Pay Cost Drivers

Due to changes in CISA's PPA structure, the non pay cost drivers listed in the above table are no longer being utilized.

Infrastructure Security Compliance – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|-----------------|----------------------------|------------|-----------------|---------------------------------------|------------|---------------|---|--------------|-------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Infrastructure Security Compliance | 288 | 229 | \$74,435 | 288 | 229 | \$75,511 | - | - | - | (288) | (229) | (\$75,511) |
| Total | 288 | 229 | \$74,435 | 288 | 229 | \$75,511 | - | - | - | (288) | (229) | (\$75,511) |
| Subtotal Discretionary - Appropriation | 288 | 229 | \$74,435 | 288 | 229 | \$75,511 | - | - | - | (288) | (229) | (\$75,511) |

PPA Level II Description

The Infrastructure Security Compliance PPA historically funded securing the Nation's high-risk chemical facilities through the systematic regulation, inspection, and enforcement under the authority of the Chemical Facilities Anti-Terrorism Standards (CFATS) program. The Infrastructure Security Compliance PPA also funded the development of the Ammonium Nitrate Security Program, the development of an approach to the security risk management of improvised explosive device precursor chemicals, and other efforts to secure dangerous chemicals through the provision of analysis, expertise, and technical assistance to chemical facilities and stakeholders. In January 2019, Congress only extended the authorization of the CFATS program to April 2020. No funding is included in the President's Budget for this PPA in FY 2021.

In FY 2021, the President's Budget eliminates funding for the entire Infrastructure Security Compliance PPA whilest simultaneously increasing funding significantly for the Protective Security Advisors (PSA) program. This will allow CISA to provide voluntary support for chemical production facilities without the unnecessary burden of regulatory requirements, placing the chemical sector on par with how CISA interacts with all of the other critical infrastructure sectors for which CISA has oversight. The Administration's decision to bring the chemical sector in line with the other sectors is a credit to the success of the program, as well as an acknowledgement that the mission is largely complete. The CFATS program has successfully established mature, collaborative relationships with the chemical sector and operators which has seen tremendous progress in upgrading and enhancing the security of chemical facilities. The improvements made will endure as the sector recognizes its responsibility to continuously ensure these facilities are kept safe for communities and the American people.

Infrastructure Security Compliance PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|--------------|--------------|-------------------|
| FY 2019 Enacted | 288 | 229 | \$74,435 |
| FY 2020 Enacted | 288 | 229 | \$75,511 |
| FY 2021 Base Budget | 288 | 229 | \$75,511 |
| Realignment for PPA from IP/ISC to EC/PTS | - | - | (\$14) |
| Realignment for PPA from IP/ISC to IO/RO | - | - | (\$19,424) |
| Realignment for PPA from IP/ISC to MS/MS | - | - | (\$35) |
| Realignment for PPA from ISD/IP/ISC/ISC to IOD/RO/Chemical Inspectors | (180) | (150) | (\$25,436) |
| Realignment for PPA from ISD/IP/ISC/ISC to IOD/RO/Coor & Service D | (2) | (2) | (\$308) |
| Realignment for PPA from ISD/IP/ISC/ISC to ISD/IS/CS/Chemical Safety | (106) | (77) | (\$30,294) |
| Total Transfers | (288) | (229) | (\$75,511) |
| Total Adjustments-to-Base | (288) | (229) | (\$75,511) |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | (288) | (229) | (\$75,511) |

Infrastructure Security Compliance – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|------------|-----------------|-----------------|-----------------|------------|-----------------|-----------------|----------------------------|----------|----------|----------|--------------------------|--------------|-------------------|-------------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Infrastructure Security Compliance | 288 | 229 | \$34,746 | \$151.73 | 288 | 229 | \$34,667 | \$151.38 | - | - | - | - | (288) | (229) | (\$34,667) | (\$151.38) |
| Total | 288 | 229 | \$34,746 | \$151.73 | 288 | 229 | \$34,667 | \$151.38 | - | - | - | - | (288) | (229) | (\$34,667) | (\$151.38) |
| Discretionary - Appropriation | 288 | 229 | \$34,746 | \$151.73 | 288 | 229 | \$34,667 | \$151.38 | - | - | - | - | (288) | (229) | (\$34,667) | (\$151.38) |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$26,059 | \$34,667 | - | (\$34,667) |
| 11.3 Other than Full-Time Permanent | \$522 | - | - | - |
| 11.5 Other Personnel Compensation | \$869 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$7,296 | - | - | - |
| Total - Personnel Compensation and Benefits | \$34,746 | \$34,667 | - | (\$34,667) |
| Positions and FTE | | | | |
| Positions - Civilian | 288 | 288 | - | (288) |
| FTE - Civilian | 229 | 229 | - | (229) |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 President's Budget | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----------------|-----------------|-------------------------------|-----------------|-----------------|-------------------------------|----------|----------|-------------------------------------|-------------------|-------------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Program Personnel | 229 | \$34,746 | \$151.73 | 229 | \$34,667 | \$151.38 | - | - | - | (229) | (\$34,667) | (\$151.38) |
| Total – Pay Cost Drivers | 229 | \$34,746 | \$151.73 | 229 | \$34,667 | \$151.38 | - | - | - | (229) | (\$34,667) | (\$151.38) |

Explanation of Pay Cost Driver

Due to changes in CISA's PPA structure, the pay cost driver listed in the above table is no longer being utilized.

Infrastructure Security Compliance – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Infrastructure Security Compliance | \$39,689 | \$40,844 | - | (\$40,844) |
| Total | \$39,689 | \$40,844 | - | (\$40,844) |
| Discretionary - Appropriation | \$39,689 | \$40,844 | - | (\$40,844) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$2,636 | - | - | - |
| 22.0 Transportation of Things | \$25 | - | - | - |
| 23.1 Rental Payments to GSA | \$1,695 | - | - | - |
| 24.0 Printing and Reproduction | \$20 | - | - | - |
| 25.1 Advisory and Assistance Services | \$10,536 | \$40,844 | - | (\$40,844) |
| 25.2 Other Services from Non-Federal Sources | \$739 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$18,422 | - | - | - |
| 25.4 Operation and Maintenance of Facilities | \$295 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$4,721 | - | - | - |
| 26.0 Supplies and Materials | \$20 | - | - | - |
| 31.0 Equipment | \$560 | - | - | - |
| 42.0 Insurance Claims and Indemnities | \$20 | - | - | - |
| Total - Non Pay Object Classes | \$39,689 | \$40,844 | - | (\$40,844) |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| Infrastructure Security Compliance | \$33,136 | \$40,844 | - | (\$40,844) |
| Travel and Working Capital Funds | \$6,553 | - | - | - |
| Total – Non Pay Cost Drivers | \$39,689 | \$40,844 | - | (\$40,844) |

Explanation of Non Pay Cost Drivers

Due to changes in CISA's PPA structure, the non pay cost drivers listed in the above table are no longer being utilized.

Infrastructure Assessments and Security – PPA Level II

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|---|--------------------|-----|--------|--------------------|-----|--------|-------------------------------|------------|-----------------|-------------------------------------|------------|-----------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Infrastructure Assessments and Security | - | - | - | - | - | - | 176 | 159 | \$88,107 | 176 | 159 | \$88,107 |
| Total | - | - | - | - | - | - | 176 | 159 | \$88,107 | 176 | 159 | \$88,107 |
| Subtotal Discretionary - Appropriation | - | - | - | - | - | - | 176 | 159 | \$88,107 | 176 | 159 | \$88,107 |

PPA Level II Description

The Infrastructure Assessments and Security PPA in the O&S appropriation supports multiple projects. The work supported by this particular PPA is summarized as follows:

Strategy, Resources and Performance (SR&P): In FY 2021, funds will support sector-specific and cross-sector stakeholder engagement and coordination efforts in support of the management and implementation of the National Infrastructure Protection Plan (NIPP). SR&P will continue to provide strategic vision and review for all ISD mission sets and White House level engagement, monitoring and researching of emerging risks, critical infrastructure vulnerabilities, and strategic trends to identify areas where NIPP-coordinating structures can increase the overall security and resilience of the Nation by focusing efforts on the strategic environment. Through the Portfolio Management Office (PMO), SR&P will plan, field and manage new investments for protecting our Nation's infrastructure with tools like the CISA Gateway, the Bomb Making Materials Awareness Program, TRIPWire, and the Chemical Security Assessment Tool (CSAT). Rounding out SR&P activities is the monitoring of portfolio performance across an array of DHS, Government Performance and Results Modernization Act and internal metrics to best assess and adjust for optimum efficacy and efficiency.

Security Programs: In previous fiscal years, CISA assessed that a more comprehensive, innovative, and coordinated approach was necessary to address risks posed by terrorists and other violent extremist actors to public gathering venues such as houses of worship, schools, and sporting events. CISA, as the Department lead for soft targets and crowded places security, has undertaken a number of initiatives to enhance risk mitigation capabilities leveraged by public and private sector stakeholders. The organization will continue to build upon its capabilities by developing new and innovative training, resources, and tools to support stakeholders in mitigating a wide range of threat vectors, including active shooter, unmanned aircraft systems, vehicle ramming, insider threat, complex coordinated attack, and others. In addition, the program will align with the objectives of the Department's September 2019 "Strategic Framework for Countering Terrorism and Targeted Violence" and related actions identified in the CISA's May 2019 "Securing America's Soft Targets and Crowded Places" roadmap. In addition, the funding will enable CISA to establish a

taskforce dedicated to the coordination and expansion of the Department's school safety efforts, including implementation of the recommendations from the Federal Commission on School Safety report delivered to the President in December 2018. This includes CISA's continued stewardship of the interagency Federal School Safety Clearinghouse and its associated website SchoolSafety.gov, in coordination with its interagency partners: DOJ, ED, and HHS. The funding will also enable CISA's school safety taskforce to design and deliver cost-effective capacity building trainings and products to schools, school districts, and the surrounding communities. Funds will also provide for continued implementation of the Interagency Security Committee compliance activities to support the adoption of security standards by Federal facilities.

CISA Exercises: CISA Exercises facilitates, plans, and executes discussion and operations-based physical and cyber-focused exercises for Federal departments, critical infrastructure sectors, international partners, and special events. Exercises are one of the principle mechanisms by which DHS and CISA develop, validate, and identify areas for improvement in the security and resilience capabilities of Federal, State, local, and private sector partners. Analysis and trends identified through exercises are critical to shaping the Agency's risk reduction products and resources. In FY 2021, CISA will continue to conduct exercises with sector partners to enhance security and resilience of critical infrastructure and share trends that inform CISA-wide development of risk mitigating resources.

Infrastructure Assessments and Analysis: The Infrastructure Assessments and Analysis program reduces the risk to the Nation's critical infrastructure from manmade threats and natural hazards. These assessments, which include the Regional Resiliency Assessment Program (RRAP), the Infrastructure Survey Tool (IST), the Infrastructure Visualization Platform (IVP), and the guided implementation of various dependency and consequence assessment methodologies, enables CISA to identify the vulnerabilities of the Nation's most critical assets and systems and helps to develop protective measures to mitigate those vulnerabilities and improve resilience. These activities support State and local disaster preparedness and contribute to Federal response and recovery planning and operations under the auspices of Emergency Support Function #14 and the Infrastructure Systems Recovery Support Function. These objectives and outcomes will be achieved through conducting individual facility and regional vulnerability and resiliency assessments; providing protective measures; tracking improvements to critical infrastructure; and coordinating and partnering with Sector Specific Agencies and other Federal agencies and partners – including State, regional, local, and private sector security partners. This program includes integrating the front-end aspect of the RRAP, IST, and IVP directly from PSAs into the respective methodologies input as well as the development and provisioning of the PSA training program.

In FY 2021, CISA will continue to operate, maintain, and modernize the CISA Gateway suite of capabilities. A new investment is envisioned that will build on the system is currently transitioning to the cloud. The system will be mobile, scalable, and include capability advancements that will incorporate new data analytics and business intelligence capabilities to support evidence-based decisions in support of steady state operations, event planning, and domestic incidents.

CISA operates the Nation-wide Protected Critical Infrastructure Information (PCII) Program that offers information protection to sensitive security related critical infrastructure information voluntarily shared with the U.S. Government from both private and State/Local infrastructure owner/operators as directed in 6 Code of Federal Regulations (CFR) part 29, "Procedures for Handling Critical Infrastructure Information". Trained PCII Authorized Users use PCII to analyze sensitive critical infrastructure information to determine security risk and threats to the homeland. The PCII Management System (PCIIMS) is an unclassified government system to record the receipt, acknowledgement, validation, storage, dissemination, and destruction of PCII as well as train and track authorized users.

Bombing Prevention: In FY 2021, funds will enhance the Nation’s ability to prevent, protect against, respond to, and mitigate the use of explosives against critical infrastructure, the private sector, and FSLTT entities and enable CISA to lead the Department’s efforts to implement Presidential Policy Directive 17, *Countering Improvised Explosive Devices* (PPD-17). CISA will continue to provide valuable capability analysis, planning assistance, and training support services, as well as operate and maintain information sharing and knowledge tools, including TRIPwire and the National Counter-IED Capability Analysis Database (NCCAD). CISA will also lead implementation of four of five PPD-17 implementation plan strategic objectives assigned to DHS designated as “critical” or “necessary” priorities that have 1-3 year implementation timelines and which directly support the *National Counterterrorism Strategy* (all Strategic Objectives), *DHS Strategic Plan* (Goals 1, 3, and 5), and *DHS Strategic Framework for Countering Terrorism and Targeted Violence* (all Goals), including new efforts to expand explosives precursor chemical security outreach to retail businesses, enhance national preparedness and critical infrastructure risk mitigation for common IED scenarios, and coordinate domestic assistance for private sector, local, and State government stakeholders.

Figure: Office of Bombing Prevention Initiatives

| Initiative Area <i>Dollars in thousands</i> | Sub-Projects & Acquisitions | FY 2019 Enacted | FY2020 Enacted | FY 2021 President's Budget |
|--|--|----------------------------|---------------------------|---|
| <u>Bombing Prevention 1:</u> Coordination of National and Intergovernmental Bombing Prevention Efforts | Policy, Plans, and Analysis Support | \$1,596 | \$932 | \$946 |
| <u>Bombing Prevention 2:</u> Counter-IED Capability Analysis and Planning Support | Program Planning, Analysis, and Outreach | \$727 | \$702 | \$773 |
| | National Counter-IED Capabilities Analysis Database (NCCAD) | \$1,548 | \$3,076 | \$1,399 |
| | Multi-Jurisdiction IED Security Planning (MJIEDSP/CAPS) | \$732 | \$641 | \$632 |
| <u>Bombing Prevention 3:</u> Information Sharing and Decision Support | Program Planning, Analysis, and Outreach | \$727 | \$702 | \$773 |
| | TRIPwire Operations and Maintenance | \$1,760 | \$783 | \$790 |
| | TRIPwire Open Source Intelligence/Content | \$2,149 | \$2,380 | \$2,437 |
| <u>Bombing Prevention 4:</u> Counter-IED Training and Awareness | Program Planning, Analysis, and Outreach | \$727 | \$702 | \$773 |
| | OBP IED Awareness Training at CDP/NGB | \$793 | \$2,169 | \$793 |
| | Curriculum Development and VILT Connectivity | \$33 | \$17 | \$17 |
| | Bomb-Making Materials Awareness Program (BMAP) | \$88 | \$1,917 | \$289 |
| | C-IED Printed Material | \$25 | \$100 | \$120 |
| <u>Miscellaneous</u> | Travel, Professional Development, P-Card, Salaries and Benefits, WCF, etc. | \$6,372 | \$7,318 | \$7,474 |
| Bombing Prevention Total (<i>Dollars in Thousands</i>) | | \$17,277 | \$21,439 | \$17,217 |

Infrastructure Assessments and Security – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|---|------------|------------|------------------|
| FY 2019 Enacted | - | - | - |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| Realignment for OCC from IS/IAS/SP to MS/MS/MS | - | - | (\$3,367) |
| Realignment for PPA to IS/IAS from IP/ICB | 21 | 11 | \$14,356 |
| Realignment for PPA to ISD/IS/IAS/Assess and II from ISD/IO/SER/VA | 17 | 17 | \$16,271 |
| Realignment for PPA to ISD/IS/IAS/Assess and II from ISD/IP/ICB/PSA | 16 | 16 | \$4,575 |
| Realignment for PPA to ISD/IS/IAS/Bombing Prevention from ISD/IP/ICB/BP | 22 | 21 | \$16,032 |
| Realignment for PPA to ISD/IS/IAS/CISA Ex from CSD/C/CIR/CEA | 15 | 15 | \$10,058 |
| Realignment for PPA to ISD/IS/IAS/CISA Ex from CSD/C/CRR/NCCIC PE | 1 | 1 | \$35 |
| Realignment for PPA to ISD/IS/IAS/CISA Exer from ISD/IP/ICB/SRM | 9 | 9 | \$1,797 |
| Realignment for PPA to ISD/IS/IAS/Security Programs from ISD/IP/ICB/SRM | 23 | 20 | \$17,661 |
| Realignment for PPA to ISD/IS/IAS/Strategy and Perform from ISD/IP/ICB/SRM | 16 | 12 | \$5,208 |
| Realignment for PPA to O&S/ISD/IS/IAS/Assess and II from O&S/ISD/IP/ICB/IISDP | 57 | 48 | \$16,806 |
| Total Transfers | 197 | 170 | \$99,432 |
| 2020 Pay Raise | - | - | \$770 |
| 2021 Pay Raise | - | - | \$222 |
| Annualization of Support of Bomb Making Materials Awareness Program (BMAP) | - | - | \$963 |
| FERS Agency Contribution | - | - | \$257 |
| Total, Pricing Increases | - | - | \$2,212 |
| Efficiencies | - | - | (\$522) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$14) |
| Total, Pricing Decreases | - | - | (\$536) |
| Total Adjustments-to-Base | 197 | 170 | \$101,108 |
| FY 2021 Current Services | 197 | 170 | \$101,108 |
| Awards Spending Increase | - | - | \$296 |
| Support to State and Local Governments | - | - | \$1,785 |
| Total, Program Increases | - | - | \$2,081 |
| CISA Gateway O&S | - | - | (\$1,590) |
| CISA Regional Operations | (15) | (8) | (\$1,600) |

Infrastructure Security - PPA

Infrastructure Security Compliance - PPA II

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|-------------|-------------------|
| Infrastructure Security Personnel | - | - | (\$2,325) |
| OBP Train the Trainer | - | - | (\$6,567) |
| School Safety/Soft Target | (6) | (3) | (\$3,000) |
| Total, Program Decreases | (21) | (11) | (\$15,082) |
| FY 2021 Request | 176 | 159 | \$88,107 |
| FY 2020 To FY 2021 Change | 176 | 159 | \$88,107 |

Infrastructure Assessments and Security – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|---|-----------------|-----|--------|------|-----------------|-----|--------|------|----------------------------|------------|-----------------|-----------------|--------------------------|------------|-----------------|-----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Infrastructure Assessments and Security | - | - | - | - | - | - | - | - | 176 | 159 | \$32,748 | \$205.96 | 176 | 159 | \$32,748 | \$205.96 |
| Total | - | - | - | - | - | - | - | - | 176 | 159 | \$32,748 | \$205.96 | 176 | 159 | \$32,748 | \$205.96 |
| Discretionary - Appropriation | - | - | - | - | - | - | - | - | 176 | 159 | \$32,748 | \$205.96 | 176 | 159 | \$32,748 | \$205.96 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | - | - | \$27,802 | \$27,802 |
| 12.1 Civilian Personnel Benefits | - | - | \$4,946 | \$4,946 |
| Total - Personnel Compensation and Benefits | - | - | \$32,748 | \$32,748 |
| Positions and FTE | | | | |
| Positions - Civilian | - | - | 176 | 176 |
| FTE - Civilian | - | - | 159 | 159 |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|--------|------|--------------------|--------|------|-------------------------------|-----------------|-----------------|-------------------------------------|-----------------|-----------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Strategy and Performance | - | - | - | - | - | - | 12 | \$2,472 | \$205.96 | 12 | \$2,472 | \$205.96 |
| Security Programs | - | - | - | - | - | - | 20 | \$4,119 | \$205.96 | 20 | \$4,119 | \$205.96 |
| CISA Exercises | - | - | - | - | - | - | 25 | \$5,149 | \$205.96 | 25 | \$5,149 | \$205.96 |
| Assessments and Infrastructure Information | - | - | - | - | - | - | 81 | \$16,683 | \$205.96 | 81 | \$16,683 | \$205.96 |
| Bombing Prevention | - | - | - | - | - | - | 21 | \$4,325 | \$205.96 | 21 | \$4,325 | \$205.96 |
| Total – Pay Cost Drivers | - | - | - | - | - | - | 159 | \$32,748 | \$205.96 | 159 | \$32,748 | \$205.96 |

Explanation of Pay Cost Driver

Strategy and Performance: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Security Programs: This cost driver supports the transferred personnel as a result of the PPA realignments, programmatic decreases in positions, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

CISA Exercises: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Assessments and Infrastructure Information: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Bombing Prevention: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Infrastructure Assessments and Security – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|---|-----------------|-----------------|-------------------------------|-------------------------------------|
| Infrastructure Assessments and Security | - | - | \$55,359 | \$55,359 |
| Total | - | - | \$55,359 | \$55,359 |
| Discretionary - Appropriation | - | - | \$55,359 | \$55,359 |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 25.1 Advisory and Assistance Services | - | - | \$55,359 | \$55,359 |
| Total - Non Pay Object Classes | - | - | \$55,359 | \$55,359 |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| Security Programs | - | - | \$15,249 | \$15,249 |
| CISA Exercises | - | - | \$6,973 | \$6,973 |
| Assessments and Infrastructure Information | - | - | \$20,245 | \$20,245 |
| Bombing Prevention | - | - | \$12,892 | \$12,892 |
| Total – Non Pay Cost Drivers | - | - | \$55,359 | \$55,359 |

Explanation of Non Pay Cost Drivers

Security Programs: This cost driver supports the transferred non-pay resources as a result of the PPA realignments. This was also impacted by the reduction in soft target resources.

CISA Exercises: This cost driver supports the transferred non-pay resources as a result of the PPA realignments

Assessments and Infrastructure Information: This cost driver supports the transferred non-pay resources as a result of the PPA realignments

Bombing Prevention: This cost driver supports the transferred non-pay resources as a result of the PPA realignments minus the decrease in resources associated with the program change for the Train the Trainer program.

Emergency Communications – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|------------------|----------------------------|------------|------------------|---------------------------------------|------------|------------------|---|------------|------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Emergency Communications Preparedness | 107 | 87 | \$54,069 | 107 | 87 | \$54,338 | 107 | 87 | \$51,549 | - | - | (\$2,789) |
| Priority Telecommunications Services | 30 | 26 | \$64,000 | 30 | 26 | \$64,663 | 30 | 26 | \$64,881 | - | - | \$218 |
| Total | 137 | 113 | \$118,069 | 137 | 113 | \$119,001 | 137 | 113 | \$116,430 | - | - | (\$2,571) |
| Subtotal Discretionary - Appropriation | 137 | 113 | \$118,069 | 137 | 113 | \$119,001 | 137 | 113 | \$116,430 | - | - | (\$2,571) |

PPA Level I Description

The Emergency Communications PPA in the O&S appropriation ensures Public Safety has the tools needed to communicate during steady state and emergency operations to save lives and protect property. The program develops and implements nationwide emergency communications policy and plans, including the National Emergency Communication Plan (NECP) and Statewide Communications Interoperability Plan (SCIPs) in all 56 States and Territories. The program also builds capacity with FSLTT stakeholders to communicate seamlessly and securely by providing technical assistance, training, tools, and guidance. As directed by legislation, the Emergency Communications PPA supports nationwide sharing of best practices and lessons learned through facilitation of the SAFECOM and Emergency Communications Preparedness Center (ECPC) governance bodies. Additionally, the Emergency Communications PPA provides priority telecommunications services over commercial networks to enable National Security and Emergency Preparedness (NS/EP) personnel to communicate during congestion scenarios across the Nation, as well as enable NS/EP organizations to receive priority treatment for vital voice and data circuits. The Emergency Communications program drives Federal emergency communications efficiencies through strategic planning, grant alignment, the development of common investment and infrastructure planning approaches, representing Federal users on national-level policy and standards issues, and coordinating between domestic and international stakeholders along the borders.

The Emergency Communications PPA contains the following Level II PPAs:

Emergency Communications Preparedness: The Emergency Communication Preparedness PPA enhances Public Safety interoperable communications at all levels of government by providing technical assistance to FSLTT government officials to support and promote the ability of emergency response providers and relevant government officials to continue to communicate (voice, video, and data) in the event of natural disasters, acts of terrorism, and other man-made disasters, as required by statute. This PPA also provides leadership, oversight and coordination of implementation of emergency communications activities and strategic execution for all of the Emergency Communications Division.

Priority Telecommunications Services: The Priority Telecommunications Services (PTS) PPA maintains essential government functions and operations during an emergency by providing NS/EP communications under all circumstances, when network congestion or damage renders conventional communications ineffective.

Emergency Communications – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|------------------|------------------|------------------|
| Enacted/Request | \$118,069 | \$119,001 | \$116,430 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | - | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$118,069 | \$119,001 | \$116,430 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$118,069 | \$119,001 | \$116,430 |
| Obligations (Actual/Estimates/Projections) | \$118,069 | \$119,001 | \$116,430 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | 137 | 137 | 137 |
| Enacted/Request FTE | 113 | 113 | 113 |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | 137 | 137 | 137 |
| FTE (Actual/Estimates/Projections) | 113 | 113 | 113 |

Emergency Communications – PPA

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|------------|------------|------------------|
| FY 2019 Enacted | 137 | 113 | \$118,069 |
| FY 2020 Enacted | 137 | 113 | \$119,001 |
| FY 2021 Base Budget | 137 | 113 | \$119,001 |
| Realignment for OCC from EC/ECP/ECP to MS/MS/MS | - | - | (\$1,326) |
| Realignment for PPA from EC/ECP to EC/PTS | - | - | (\$24) |
| Realignment for PPA to EC/PTS from EC/ECP | - | - | \$24 |
| Realignment for PPA to EC/PTS from IP/ISC | - | - | \$14 |
| Total Transfers | - | - | (\$1,312) |
| 2020 Pay Raise | - | - | \$875 |
| 2021 Pay Raise | - | - | \$160 |
| FERS Agency Contribution | - | - | \$185 |
| Next Generation Networks Priority Services (NGN-PS) | - | - | \$9 |
| Priority Telecommunication Services (PTS) | - | - | \$12 |
| Total, Pricing Increases | - | - | \$1,241 |
| Efficiencies | - | - | (\$693) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$20) |
| Total, Pricing Decreases | - | - | (\$713) |
| Total Adjustments-to-Base | - | - | (\$784) |
| FY 2021 Current Services | 137 | 113 | \$118,217 |
| Awards Spending Increase | - | - | \$213 |
| Total, Program Increases | - | - | \$213 |
| First Responder Emergency Medical Comms | - | - | (\$2,000) |
| Total, Program Decreases | - | - | (\$2,000) |
| FY 2021 Request | 137 | 113 | \$116,430 |
| FY 2020 To FY 2021 Change | - | - | (\$2,571) |

Emergency Communications PPA Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|------------|-----------------|-----------------|-----------------|------------|-----------------|--------------|----------------------------|------------|-----------------|-----------------|--------------------------|----------|----------------|----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Emergency Communications Preparedness | 107 | 87 | \$14,882 | \$171.06 | 107 | 87 | \$13,920 | \$160 | 107 | 87 | \$14,836 | \$170.53 | - | - | \$916 | \$10.53 |
| Priority Telecommunications Services | 30 | 26 | \$4,558 | \$175.31 | 30 | 26 | \$4,160 | \$160 | 30 | 26 | \$4,677 | \$179.88 | - | - | \$517 | \$19.88 |
| Total | 137 | 113 | \$19,440 | \$172.04 | 137 | 113 | \$18,080 | \$160 | 137 | 113 | \$19,513 | \$172.68 | - | - | \$1,433 | \$12.68 |
| Discretionary - Appropriation | 137 | 113 | \$19,440 | \$172.04 | 137 | 113 | \$18,080 | \$160 | 137 | 113 | \$19,513 | \$172.68 | - | - | \$1,433 | \$12.68 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$14,608 | \$18,080 | \$18,948 | \$868 |
| 11.3 Other than Full-Time Permanent | \$145 | - | - | - |
| 11.5 Other Personnel Compensation | \$218 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$4,469 | - | \$565 | \$565 |
| Total - Personnel Compensation and Benefits | \$19,440 | \$18,080 | \$19,513 | \$1,433 |
| Positions and FTE | | | | |
| Positions - Civilian | 137 | 137 | 137 | - |
| FTE - Civilian | 113 | 113 | 113 | - |

Emergency Communications – PPA Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|------------------|-------------------------------|-------------------------------------|
| Emergency Communications Preparedness | \$39,187 | \$40,418 | \$36,713 | (\$3,705) |
| Priority Telecommunications Services | \$59,442 | \$60,503 | \$60,204 | (\$299) |
| Total | \$98,629 | \$100,921 | \$96,917 | (\$4,004) |
| Discretionary - Appropriation | \$98,629 | \$100,921 | \$96,917 | (\$4,004) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$3,576 | - | - | - |
| 22.0 Transportation of Things | \$55 | - | - | - |
| 23.1 Rental Payments to GSA | \$1,509 | - | - | - |
| 23.2 Rental Payments to Others | \$985 | - | - | - |
| 23.3 Communications, Utilities, and Misc. Charges | \$112 | - | - | - |
| 25.1 Advisory and Assistance Services | \$39,261 | \$100,921 | \$96,917 | (\$4,004) |
| 25.2 Other Services from Non-Federal Sources | \$383 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$45,210 | - | - | - |
| 25.4 Operation and Maintenance of Facilities | \$1,439 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$3,909 | - | - | - |
| 26.0 Supplies and Materials | \$74 | - | - | - |
| 31.0 Equipment | \$2,116 | - | - | - |
| Total - Non Pay Object Classes | \$98,629 | \$100,921 | \$96,917 | (\$4,004) |

Emergency Communications Preparedness – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----------|-----------------|--------------------|-----------|-----------------|-------------------------------|-----------|-----------------|-------------------------------------|----------|------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Emergency Communications Preparedness | 107 | 87 | \$54,069 | 107 | 87 | \$54,338 | 107 | 87 | \$51,549 | - | - | (\$2,789) |
| Total | 107 | 87 | \$54,069 | 107 | 87 | \$54,338 | 107 | 87 | \$51,549 | - | - | (\$2,789) |
| Subtotal Discretionary - Appropriation | 107 | 87 | \$54,069 | 107 | 87 | \$54,338 | 107 | 87 | \$51,549 | - | - | (\$2,789) |

PPA Level II Description

The Emergency Communication Preparedness PPA provides capacity-building technical assistance, training, tools, and guidance to FSLTT government officials to ensure emergency response providers and relevant government officials can continue to communicate, as required by statute, in the event of natural disasters, acts of terrorism, and other man-made disasters. The program gathers stakeholder requirements and assists all 56 States and Territories in developing and implementing Communications Interoperability Plans aligned to the NECP. Additionally, the program drives emergency communications efficiencies through the development of effective governance, strategic planning, alignment of grants, and development of common investment and infrastructure planning approaches. Further, the Emergency Communication PPA collaborates with domestic and international stakeholders to support common policy and standards that ensure emergency communications interoperability at all levels of government.

In FY 2021, efforts within the Emergency Communication Preparedness PPA will focus on continued implementation of the 2019 NECP, including the following critical priorities:

- Leveraging SAFECOM and the ECPC to develop national-level policy, best practices, training, and tools, and emergency communications grant guidance;
- Supporting States and territories in bolstering their governance groups and updating their SCIPs to address the entire emergency communications ecosystem;
- Educating State and local Public Safety agencies to protect their emergency communications systems from cyber risks;
- Training responders and public safety officials on how to support interoperable voice and data communications during incidents;
- Targeting technical assistance to urban areas to mitigate risk of communications failures in high-impact areas;
- Understanding National, State, and local interoperability capabilities and gaps and using performance data to drive strategic planning and inform resource allocation; and
- Support Federal departments and agencies in planning for transition to next generation technologies, while maintaining their vital existing communications capabilities.

Emergency Communication Preparedness – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|------------|-----------|------------------|
| FY 2019 Enacted | 107 | 87 | \$54,069 |
| FY 2020 Enacted | 107 | 87 | \$54,338 |
| FY 2021 Base Budget | 107 | 87 | \$54,338 |
| Realignment for OCC from EC/ECP/ECP to MS/MS/MS | - | - | (\$1,326) |
| Realignment for PPA from EC/ECP to EC/PTS | - | - | (\$24) |
| Total Transfers | - | - | (\$1,350) |
| 2020 Pay Raise | - | - | \$487 |
| 2021 Pay Raise | - | - | \$123 |
| FERS Agency Contribution | - | - | \$142 |
| Total, Pricing Increases | - | - | \$752 |
| Efficiencies | - | - | (\$346) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$9) |
| Total, Pricing Decreases | - | - | (\$355) |
| Total Adjustments-to-Base | - | - | (\$953) |
| FY 2021 Current Services | 107 | 87 | \$53,385 |
| Awards Spending Increase | - | - | \$164 |
| Total, Program Increases | - | - | \$164 |
| First Responder Emergency Medical Comms | - | - | (\$2,000) |
| Total, Program Decreases | - | - | (\$2,000) |
| FY 2021 Request | 107 | 87 | \$51,549 |
| FY 2020 To FY 2021 Change | - | - | (\$2,789) |

Emergency Communication Preparedness – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|-----------|-----------------|-----------------|-----------------|-----------|-----------------|--------------|----------------------------|-----------|-----------------|-----------------|--------------------------|----------|--------------|----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Emergency Communications Preparedness | 107 | 87 | \$14,882 | \$171.06 | 107 | 87 | \$13,920 | \$160 | 107 | 87 | \$14,836 | \$170.53 | - | - | \$916 | \$10.53 |
| Total | 107 | 87 | \$14,882 | \$171.06 | 107 | 87 | \$13,920 | \$160 | 107 | 87 | \$14,836 | \$170.53 | - | - | \$916 | \$10.53 |
| Discretionary - Appropriation | 107 | 87 | \$14,882 | \$171.06 | 107 | 87 | \$13,920 | \$160 | 107 | 87 | \$14,836 | \$170.53 | - | - | \$916 | \$10.53 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$11,152 | \$13,920 | \$14,462 | \$542 |
| 11.3 Other than Full-Time Permanent | \$145 | - | - | - |
| 11.5 Other Personnel Compensation | \$167 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$3,418 | - | \$374 | \$374 |
| Total - Personnel Compensation and Benefits | \$14,882 | \$13,920 | \$14,836 | \$916 |
| Positions and FTE | | | | |
| Positions - Civilian | 107 | 107 | 107 | - |
| FTE - Civilian | 87 | 87 | 87 | - |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|-------------------------------|-----------------|-----------------|-------------------------------------|--------------|----------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Program Management Personnel | 81 | \$13,856 | \$171.06 | 81 | \$12,960 | \$160.00 | 81 | \$13,748 | \$170.53 | - | \$788 | \$10.63 |
| Information Technology Personnel | 6 | \$1,026 | \$171.00 | 6 | \$960 | \$160.00 | 6 | \$1,088 | \$170.53 | - | \$128 | \$10.63 |
| Total - Pay Cost Drivers | 87 | \$14,882 | \$171.05 | 87 | \$13,920 | \$160.00 | 87 | \$14,836 | \$170.53 | - | \$916 | \$10.63 |

Explanation of Pay Cost Drivers

Program Management Personnel: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Information Technology Personnel: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Emergency Communication Preparedness – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Emergency Communications Preparedness | \$39,187 | \$40,418 | \$36,713 | (\$3,705) |
| Total | \$39,187 | \$40,418 | \$36,713 | (\$3,705) |
| Discretionary - Appropriation | \$39,187 | \$40,418 | \$36,713 | (\$3,705) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$3,512 | - | - | - |
| 22.0 Transportation of Things | \$15 | - | - | - |
| 23.1 Rental Payments to GSA | \$343 | - | - | - |
| 23.3 Communications, Utilities, and Misc. Charges | \$75 | - | - | - |
| 25.1 Advisory and Assistance Services | \$16,336 | \$40,418 | \$36,713 | (\$3,705) |
| 25.2 Other Services from Non-Federal Sources | \$83 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$16,953 | - | - | - |
| 25.4 Operation and Maintenance of Facilities | \$360 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$1,323 | - | - | - |
| 26.0 Supplies and Materials | \$10 | - | - | - |
| 31.0 Equipment | \$177 | - | - | - |
| Total - Non Pay Object Classes | \$39,187 | \$40,418 | \$36,713 | (\$3,705) |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| Emergency Communications Preparedness | \$39,187 | \$40,418 | \$36,713 | (\$3,705) |
| Total – Non Pay Cost Drivers | \$39,187 | \$40,418 | \$36,713 | (\$3,705) |

Explanation of Non Pay Cost Driver

Emergency Communications Preparedness: This cost driver reflects the reduction of the Federal First Responder Emergency Communication program increase and the FPS fee adjustment.

Priority Telecommunications Services – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----------|-----------------|--------------------|-----------|-----------------|-------------------------------|-----------|-----------------|-------------------------------------|----------|--------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Priority Telecommunications Services | 30 | 26 | \$64,000 | 30 | 26 | \$64,663 | 30 | 26 | \$64,881 | - | - | \$218 |
| Total | 30 | 26 | \$64,000 | 30 | 26 | \$64,663 | 30 | 26 | \$64,881 | - | - | \$218 |
| Subtotal Discretionary - Appropriation | 30 | 26 | \$64,000 | 30 | 26 | \$64,663 | 30 | 26 | \$64,881 | - | - | \$218 |

PPA Level II Description

The PTS PPA maintains essential government functions and operations during an emergency by providing NS/EP communications under all circumstances, when network congestion or damage renders conventional communications ineffective. Specifically, PTS enhances the ability of registered users to complete calls during a crisis using the following:

Government Emergency Telecommunications Service (GETS): Nationwide landline telephone service that provides priority NS/EP telecommunications.

Wireless Priority Service (WPS): Nationwide wireless NS/EP telephone service that interoperates with GETS to provide Priority Services via selected commercial wireless service providers.

Special Routing Arrangement Service (SRAS): Service for special users.

Telecommunications Service Priority (TSP): Priority provisioning and restoration of critical NS/EP circuits.

Next Generation Networks PS (NGN PS): Provides technology insertion for priority voice telecommunications services as the public switched networks of commercial carriers evolve to IP transport. Next generation networks for PTS operations will provide data and video priority.

PTS ensures that new network infrastructures are capable of satisfying priority telecommunications requirements as carriers evolve to next-generation networks. PTS is a service acquisition for which the Government provides oversight of the operational program. The investment is a White House-directed, national-level NS/EP Telecommunications Program (NLP) that leverages the commercially-owned Public Switched Network (PSN). In FY 2021, PTS will focus on cybersecurity of the priority services packets on the all IP networks of the commercially-owned PSN.

Priority Telecommunications Services – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|-----------|-----------|-----------------|
| FY 2019 Enacted | 30 | 26 | \$64,000 |
| FY 2020 Enacted | 30 | 26 | \$64,663 |
| FY 2021 Base Budget | 30 | 26 | \$64,663 |
| Realignment for PPA to EC/PTS from EC/ECP | - | - | \$24 |
| Realignment for PPA to EC/PTS from IP/ISC | - | - | \$14 |
| Total Transfers | - | - | \$38 |
| 2020 Pay Raise | - | - | \$388 |
| 2021 Pay Raise | - | - | \$37 |
| FERS Agency Contribution | - | - | \$43 |
| Next Generation Networks Priority Services (NGN-PS) | - | - | \$9 |
| Priority Telecommunication Services (PTS) | - | - | \$12 |
| Total, Pricing Increases | - | - | \$489 |
| Efficiencies | - | - | (\$347) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$11) |
| Total, Pricing Decreases | - | - | (\$358) |
| Total Adjustments-to-Base | - | - | \$169 |
| FY 2021 Current Services | 30 | 26 | \$64,832 |
| Awards Spending Increase | - | - | \$49 |
| Total, Program Increases | - | - | \$49 |
| FY 2021 Request | 30 | 26 | \$64,881 |
| FY 2020 To FY 2021 Change | - | - | \$218 |

Priority Telecommunications Services – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|-----------|----------------|-----------------|-----------------|-----------|----------------|--------------|----------------------------|-----------|----------------|-----------------|--------------------------|----------|--------------|----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Priority Telecommunications Services | 30 | 26 | \$4,558 | \$175.31 | 30 | 26 | \$4,160 | \$160 | 30 | 26 | \$4,677 | \$179.88 | - | - | \$517 | \$19.88 |
| Total | 30 | 26 | \$4,558 | \$175.31 | 30 | 26 | \$4,160 | \$160 | 30 | 26 | \$4,677 | \$179.88 | - | - | \$517 | \$19.88 |
| Discretionary - Appropriation | 30 | 26 | \$4,558 | \$175.31 | 30 | 26 | \$4,160 | \$160 | 30 | 26 | \$4,677 | \$179.88 | - | - | \$517 | \$19.88 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$3,456 | \$4,160 | \$4,486 | \$326 |
| 11.5 Other Personnel Compensation | \$51 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$1,051 | - | \$191 | \$191 |
| Total - Personnel Compensation and Benefits | \$4,558 | \$4,160 | \$4,677 | \$517 |
| Positions and FTE | | | | |
| Positions - Civilian | 30 | 30 | 30 | - |
| FTE - Civilian | 26 | 26 | 26 | - |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|----------------|-----------------|--------------------|----------------|-----------------|-------------------------------|----------------|-----------------|-------------------------------------|--------------|----------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Program Management Personnel | 26 | \$4,558 | \$175.31 | 26 | \$4,160 | \$160.00 | 26 | \$4,677 | \$179.88 | - | \$517 | \$19.88 |
| Total Pay Cost Drivers | 26 | \$4,558 | \$175.31 | 26 | \$4,160 | \$160.00 | 26 | \$4,677 | \$179.88 | - | \$517 | \$19.88 |

Explanation of Pay Cost Driver

Program Management Personnel: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Priority Telecommunications Services – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Priority Telecommunications Services | \$59,442 | \$60,503 | \$60,204 | (\$299) |
| Total | \$59,442 | \$60,503 | \$60,204 | (\$299) |
| Discretionary - Appropriation | \$59,442 | \$60,503 | \$60,204 | (\$299) |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$3,456 | \$4,160 | \$4,486 | \$326 |
| 11.5 Other Personnel Compensation | \$51 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$1,051 | - | \$191 | \$191 |
| Total - Personnel Compensation and Benefits | \$4,558 | \$4,160 | \$4,677 | \$517 |
| Positions and FTE | | | | |
| Positions - Civilian | 30 | 30 | 30 | - |
| FTE - Civilian | 26 | 26 | 26 | - |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| GETS/WPS/SRAS/TSP | \$53,689 | \$52,559 | \$52,299 | (\$260) |
| NGN-Priority Services | \$5,753 | \$7,944 | \$7,905 | (\$39) |
| Total – Non Pay Cost Drivers | \$59,442 | \$60,503 | \$60,204 | (\$299) |

Explanation of Non Pay Cost Drivers

GETS/WPS/SRAS/TSP: The FY 2021 funding reflects an adjustment in support of the operations and maintenance of the Life Cycle Cost Estimate (LCCE) and the FPS fee adjustment.

NGN-Priority Services: These cost in FY 2021 will allow the program to satisfy its operations and sustainment requirements to adequately address emergency preparedness, response, and recovery communications and includes cost associated with the FPS fee adjustment.

*Integrated Operations – PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|------------------|----------------------------|------------|------------------|---------------------------------------|------------|------------------|---|------------|-------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Critical Infrastructure Situational Awareness | 56 | 49 | \$27,351 | 75 | 59 | \$26,735 | - | - | - | (75) | (59) | (\$26,735) |
| Risk Management Operations | 183 | 166 | \$77,136 | 183 | 166 | \$109,901 | - | - | - | (183) | (166) | (\$109,901) |
| Stakeholder Engagement and Requirements | 108 | 86 | \$45,386 | 116 | 94 | \$42,511 | - | - | - | (116) | (94) | (\$42,511) |
| Strategy, Policy, and Plans | 64 | 53 | \$12,979 | 68 | 57 | \$12,726 | - | - | - | (68) | (57) | (\$12,726) |
| Regional Operations | - | - | - | - | - | - | 445 | 364 | \$95,105 | 445 | 364 | \$95,105 |
| Operations Coordination and Planning | - | - | - | - | - | - | 158 | 150 | \$71,588 | 158 | 150 | \$71,588 |
| Total | 411 | 354 | \$162,852 | 442 | 376 | \$191,873 | 603 | 514 | \$166,693 | 161 | 138 | (\$25,180) |
| Subtotal Discretionary - Appropriation | 411 | 354 | \$162,852 | 442 | 376 | \$191,873 | 603 | 514 | \$166,693 | 161 | 138 | (\$25,180) |

PPA Level I Description

The Integrated Operations PPA provides funding that ensures CISA's frontline, externally facing activities are coordinated, collaborative, and communicative across CISA allowing seamless support and expedited response to critical needs. Integrated Operations funds enhanced mission effectiveness, information sharing, and situational awareness by unifying the conduct and reporting of operations through a single report channel. By doing so, Integrated Operations is able to provide leadership end-to-end operational visibility for physical, cyber, and communications activities. Additionally, this PPA supports efforts that provide CISA-specific and incident-specific intelligence context and products to support all missions. Finally, the Integrated Operations PPA will fund the work required to conduct continuity planning and internal drills needed to track and improve the overall operational readiness throughout the enterprise.

The Integrated Operations PPA contains the following Level II PPAs:

Critical Infrastructure Situational Awareness: As a result of the CISA PPA changes, this PPA is no longer being utilized. This PPA historically funded the coordination and information-sharing of operations centers that maintain situational awareness of the Nation's critical infrastructure for the Federal government. By facilitating cross-domain physical security and cybersecurity coordination, these operation centers advance integrated cyber and physical risk management beyond the critical infrastructure owners and operators to include all of the Federal interagency partners.

Risk Management Operations: As a result of the CISA PPA changes, this PPA is no longer being utilized. This PPA historically funded efforts to address the Nation's highest priority risks to infrastructure through an integrated, analytical risk management approach executed by the NRMCM. Core NRMCM analytic functions reside in the Risk Management Operations PPA, with technical expertise matrixed from across CISA to support specific NRMCM-coordinated risk mitigation efforts. Funds will contribute to strategic initiatives to mitigate risks to position, navigation, and timing technologies, as well as other high-priority efforts.

Stakeholder Engagement and Requirements: As a result of the CISA PPA changes, this PPA is no longer being utilized. This PPA historically supported the enhancement of domestic all-hazard, cybersecurity, and communications partnerships in critical infrastructure sectors. These partnerships advance national risk management objectives, provide for information exchange between government and industry, and support outreach and awareness activities.

Strategy, Policy, and Plans: As a result of the CISA PPA changes, this PPA is no longer being utilized. This PPA historically funded the development and implementation of Component-level strategy and policy, which enabled the enterprise strategic management process and promotes the integration of policy and strategy across all of CISA's mission areas. In FY 2021, these activities will be funded in the Mission Support PPA.

Regional Operations: The Regional Operations PPA funds regional operations, coordination and service delivery under a single CISA construct per region that includes regional directors, security advisors (Protective Security Advisors and Cybersecurity Advisors), and technical experts. This PPA is new in the FY 2021 President's Budget.

Operations Coordination and Planning: The Operations Coordination and Planning PPA funds efforts that allow CISA to successfully operate in a seamless physical and cybersecurity environment. This includes capabilities such as the 24x7 combined critical infrastructure, cyber, and communications operations center; Agency-designated Emergency Support Functions; national communications coordination; operational intelligence management, analysis, and decision support; and operational planning and preparedness to include business continuity and emergency planning. This PPA also provides leadership, oversight and coordination of implementation of regional activities and strategic execution for all of the Integrated Operations Division. This PPA is new in the FY 2021 President's Budget.

Integrated Operations – PPA

Budget Authority and Obligations

| Budget Authority <i>(Dollars in Thousands)</i> | FY 2019 | FY 2020 | FY 2021 |
|--|------------------|------------------|------------------|
| Enacted/Request | \$162,852 | \$191,873 | \$166,693 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | \$787 | \$1,800 | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$163,639 | \$193,673 | \$166,693 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$163,639 | \$193,673 | \$166,693 |
| Obligations (Actual/Estimates/Projections) | \$163,639 | \$193,673 | \$166,693 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | 411 | 442 | 603 |
| Enacted/Request FTE | 354 | 376 | 514 |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | 391 | 442 | 603 |
| FTE (Actual/Estimates/Projections) | 336 | 376 | 514 |

Integrated Operations – PPA Summary of Budget Changes

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|---|------------|------------|------------------|
| FY 2019 Enacted | 411 | 354 | \$162,852 |
| FY 2020 Enacted | 442 | 376 | \$191,873 |
| FY 2021 Base Budget | 442 | 376 | \$191,873 |
| Realignment for OCC from IO/RO/C&S to MS/MS/MS | - | - | (\$1,346) |
| Realignment for PPA to IO/RO/Chemical Inspectors from ISD/IP/ISC/ISC | 180 | 150 | \$25,436 |
| Realignment for PPA to IO/RO/Security Advisors from ISD/IP/ICB/PSA | 151 | 122 | \$35,521 |
| Realignment for PPA from CSD/IO/SER/SER to CSD/C/CO/Vulnerability M | (4) | (4) | (\$602) |
| Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/Council Mgmt | (5) | (5) | (\$4,149) |
| Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/SSAM | (1) | (1) | (\$3,168) |
| Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/Stakeholder E | (29) | (12) | (\$8,412) |
| Realignment for PPA from CSD/IO/SPP/SPP to CSD/MS/MS/MS | (17) | (11) | (\$2,246) |
| Realignment for PPA from IO/CISA to IO/RO | (15) | (8) | (\$2,821) |
| Realignment for PPA from IO/RMO to RMO/RMO | - | - | (\$47,702) |
| Realignment for PPA from IO/SER to MS/MS | - | - | (\$106) |
| Realignment for PPA from IO/SER to SER/SER | - | - | (\$335) |
| Realignment for PPA from IO/SPP to MS/MS | - | - | (\$300) |
| Realignment for PPA from ISD/IO/CISA/CISA to IOD/OCP/BCEP | (13) | (11) | (\$2,854) |
| Realignment for PPA from ISD/IO/CISA/CISA to IOD/OCP/Ops Center | (47) | (40) | (\$21,060) |
| Realignment for PPA from ISD/IO/SER/VA to IOD/RO/Coord & Serv D | (1) | (1) | (\$124) |
| Realignment for PPA from ISD/IO/SER/VA to ISD/IS/IAS/Assess and II | (17) | (17) | (\$16,271) |
| Realignment for PPA from ISD/IO/SPP/SPP to ISD/MS/MS/SPP | (11) | (11) | (\$3,961) |
| Realignment for PPA from NRMC/IO/RMO/IA to SED/SER/SER/Council Mgmt | - | - | (\$1,088) |
| Realignment for PPA from NRMC/IO/RMO/NISAC to NRMC/RMO/RMO/NISAC | - | - | (\$9,055) |
| Realignment for PPA from NRMC/IO/RMO/RMO/IA to IOD/IO/OCP/Intelligence | (25) | (25) | (\$4,497) |
| Realignment for PPA from NRMC/IO/RMO/RMO/IA to IOD/RO/Coord & Service D | (10) | (10) | (\$1,451) |
| Realignment for PPA from NRMC/IO/RMO/RMO/IA to NRMC/RMO/RMO/Infrast A | (148) | (131) | (\$46,108) |
| Realignment for PPA from OBIM/IO/SER to MGMT | (9) | (9) | - |
| Realignment for PPA from OOD/IO/SER/EA to MBS/MS/MS/External Affairs | (43) | (38) | (\$6,968) |
| Realignment for PPA from OOD/IO/SER/PRIV to MBS/MS/MS/Privacy | (11) | (11) | (\$2,376) |
| Realignment for PPA from OOD/IO/SPP/SPP to MBS/MS/MS/SPP | (25) | (20) | (\$4,662) |

Operations and Support
Integrated Operations - PPA

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|------------|------------------|
| Realignment for PPA from OOD/IO/SPP/SPP to SED/SER/SER/Internat'l Affairs | (11) | (11) | (\$1,557) |
| Realignment for PPA to IO/OCP from IP/ICB | - | - | \$612 |
| Realignment for PPA to IO/RO from C/CIR | 50 | 25 | \$13,069 |
| Realignment for PPA to IO/RO from IO/CISA | 15 | 8 | \$2,821 |
| Realignment for PPA to IO/RO from IP/ICB | 15 | 8 | \$23,692 |
| Realignment for PPA to IO/RO from IP/ISC | - | - | \$924 |
| Realignment for PPA to IO/RO/Coord & Service D from CSD/C/FC/FNR | 1 | 1 | \$211 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IO/SER/VA | 1 | 1 | \$124 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/IISDP | 1 | 1 | \$124 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/PSA | - | - | \$3,888 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/SRM | 34 | 31 | \$4,216 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ISC/ISC | 2 | 2 | \$308 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/MS/MS/MS | 10 | 7 | \$3,160 |
| Realignment for PPA to IO/RO/Coord & Service D from NRMCI/O/RMO/IA | 10 | 10 | \$1,451 |
| Realignment for PPA to IO/RO/Security Advisors from CSD/C/CIR/CSA | 30 | 23 | \$6,364 |
| Realignment for PPA to IOD/IO/OCP/BCEP from OOD/IO/CISA/CISA | 13 | 11 | \$2,854 |
| Realignment for PPA to IOD/IO/OCP/Intelligence from NRMCI/O/RMO/IA | 25 | 25 | \$4,497 |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/C/CRR/NCCIC Ops | 23 | 23 | \$11,017 |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/C/CRR/NCCIC P&E | 3 | 3 | \$4,653 |
| Realignment for PPA to IOD/IO/OCP/Ops Center from ISD/IO/CISA/CISA | 47 | 40 | \$21,060 |
| Realignment for PPA to IOD/IO/OCP/P&R from CSD/C/CRR/NCCIC P&E | 16 | 15 | \$1,666 |
| Realignment for PPA to IOD/OCP/Ops Center from CSD/C/CRR/NCCIC Ops | 26 | 26 | \$20,978 |
| Total Transfers | 211 | 156 | (\$4,573) |
| 2020 Pay Raise | - | - | \$2,679 |
| 2021 Pay Raise | - | - | \$663 |
| Annualization of FY 2020 Continuity Operations (COOP) Enhancement Hiring | - | 2 | \$315 |
| FERS Agency Contribution | - | - | \$770 |
| National Coordination Center (NCC) FY 2021 Personnel Adjustment | 5 | 5 | - |
| Total, Pricing Increases | 5 | 7 | \$4,427 |
| Decrement in Operations Coordination and Watch | - | - | (\$13) |
| Efficiencies | - | - | (\$2,095) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$22) |
| Total, Pricing Decreases | - | - | (\$2,130) |

Operations and Support
Integrated Operations - PPA

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|--------------|-------------------|
| Total Adjustments-to-Base | 216 | 163 | (\$2,276) |
| FY 2021 Current Services | 658 | 539 | \$189,597 |
| Additional Protective Security Advisor Hires | 158 | 143 | \$21,603 |
| Awards Spending Increase | - | - | \$883 |
| Continuity, Regionalization, and Devolution Out of Area | - | - | \$3,053 |
| Total, Program Increases | 158 | 143 | \$25,539 |
| CFATS | (182) | (152) | (\$41,622) |
| Cyber Security Advisors | (16) | (8) | (\$4,971) |
| Regional Personnel | (15) | (8) | (\$1,850) |
| Total, Program Decreases | (213) | (168) | (\$48,443) |
| FY 2021 Request | 603 | 514 | \$166,693 |
| FY 2020 To FY 2021 Change | 161 | 138 | (\$25,180) |

Integrated Operations – PPA Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|---|-----------------|------------|-----------------|-----------------|-----------------|------------|-----------------|-----------------|----------------------------|------------|-----------------|-----------------|--------------------------|------------|-----------------|----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Critical Infrastructure Situational Awareness | 56 | 49 | \$8,499 | \$173.45 | 75 | 59 | \$8,431 | \$142.9 | - | - | - | - | (75) | (59) | (\$8,431) | (\$142.9) |
| Risk Management Operations | 183 | 166 | \$30,218 | \$182.04 | 183 | 166 | \$30,218 | \$182.04 | - | - | - | - | (183) | (166) | (\$30,218) | (\$182.04) |
| Stakeholder Engagement and Requirements | 108 | 86 | \$14,936 | \$173.67 | 116 | 94 | \$14,428 | \$153.49 | - | - | - | - | (116) | (94) | (\$14,428) | (\$153.49) |
| Strategy, Policy, and Plans | 64 | 53 | \$9,983 | \$188.36 | 68 | 57 | \$8,478 | \$148.74 | - | - | - | - | (68) | (57) | (\$8,478) | (\$148.74) |
| Regional Operations | - | - | - | - | - | - | - | - | 445 | 364 | \$65,331 | \$179.48 | 445 | 364 | \$65,331 | \$179.48 |
| Operations Coordination and Planning | - | - | - | - | - | - | - | - | 158 | 150 | \$27,978 | \$186.52 | 158 | 150 | \$27,978 | \$186.52 |
| Total | 411 | 354 | \$63,636 | \$179.76 | 442 | 376 | \$61,555 | \$163.71 | 603 | 514 | \$93,309 | \$181.54 | 161 | 138 | \$31,754 | \$17.83 |
| Discretionary - Appropriation | 411 | 354 | \$63,636 | \$179.76 | 442 | 376 | \$61,555 | \$163.71 | 603 | 514 | \$93,309 | \$181.54 | 161 | 138 | \$31,754 | \$17.83 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$46,548 | \$61,555 | \$68,925 | \$7,370 |
| 11.3 Other than Full-Time Permanent | \$1,343 | - | - | - |
| 11.5 Other Personnel Compensation | \$919 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$14,826 | - | \$24,384 | \$24,384 |
| Total - Personnel Compensation and Benefits | \$63,636 | \$61,555 | \$93,309 | \$31,754 |
| Positions and FTE | | | | |
| Positions - Civilian | 411 | 442 | 603 | 161 |
| FTE - Civilian | 354 | 376 | 514 | 138 |

Integrated Operations – PPA Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|---|-----------------|------------------|-------------------------------|-------------------------------------|
| Critical Infrastructure Situational Awareness | \$18,852 | \$18,304 | - | (\$18,304) |
| Risk Management Operations | \$46,918 | \$79,683 | - | (\$79,683) |
| Stakeholder Engagement and Requirements | \$30,450 | \$28,083 | - | (\$28,083) |
| Strategy, Policy, and Plans | \$2,996 | \$4,248 | - | (\$4,248) |
| Regional Operations | - | - | \$29,774 | \$29,774 |
| Operations Coordination and Planning | - | - | \$43,610 | \$43,610 |
| Total | \$99,216 | \$130,318 | \$73,384 | (\$56,934) |
| Discretionary - Appropriation | \$99,216 | \$130,318 | \$73,384 | (\$56,934) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$3,148 | - | - | - |
| 22.0 Transportation of Things | \$81 | - | - | - |
| 23.1 Rental Payments to GSA | \$1,449 | - | - | - |
| 23.2 Rental Payments to Others | \$251 | - | - | - |
| 23.3 Communications, Utilities, and Misc. Charges | \$2,547 | - | - | - |
| 24.0 Printing and Reproduction | \$10 | - | - | - |
| 25.1 Advisory and Assistance Services | \$54,072 | \$130,318 | \$73,384 | (\$56,934) |
| 25.2 Other Services from Non-Federal Sources | \$1,204 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$32,143 | - | - | - |
| 25.4 Operation and Maintenance of Facilities | \$2,006 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$1,909 | - | - | - |
| 26.0 Supplies and Materials | \$135 | - | - | - |
| 31.0 Equipment | \$261 | - | - | - |
| Total - Non Pay Object Classes | \$99,216 | \$130,318 | \$73,384 | (\$56,934) |

Critical Infrastructure Situational Awareness – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|-----------------|----------------------------|------------|-----------------|---------------------------------------|------------|---------------|---|-------------|-------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Critical Infrastructure Situational Awareness | 56 | 49 | \$27,351 | 75 | 59 | \$26,735 | - | - | - | (75) | (59) | (\$26,735) |
| Total | 56 | 49 | \$27,351 | 75 | 59 | \$26,735 | - | - | - | (75) | (59) | (\$26,735) |
| Subtotal Discretionary - Appropriation | 56 | 49 | \$27,351 | 75 | 59 | \$26,735 | - | - | - | (75) | (59) | (\$26,735) |

PPA Level II Description

As a result of CISA's PPA changes, this PPA is no longer being utilized. Historically, the Critical Infrastructure Situational Awareness PPA funded the coordination and information-sharing of operation centers that maintain situational awareness of the Nation's critical infrastructure for the Federal government. By facilitating cross-domain physical security and cybersecurity coordination, these operation centers advance integrated cyber and physical risk management beyond the critical infrastructure owners and operators to include all of the Federal interagency partners.

Critical Infrastructure Situational Awareness – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|-------------|-------------|-------------------|
| FY 2019 Enacted | 56 | 49 | \$27,351 |
| FY 2020 Enacted | 75 | 59 | \$26,735 |
| FY 2021 Base Budget | 75 | 59 | \$26,735 |
| Realignment for PPA from IO/CISA to IO/RO | (15) | (8) | (\$2,821) |
| Realignment for PPA from ISD/IO/CISA/CISA to IOD/OCP/BCEP | (13) | (11) | (\$2,854) |
| Realignment for PPA from ISD/IO/CISA/CISA to IOD/OCP/Ops Center | (47) | (40) | (\$21,060) |
| Total Transfers | (75) | (59) | (\$26,735) |
| Total Adjustments-to-Base | (75) | (59) | (\$26,735) |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | (75) | (59) | (\$26,735) |

Critical Infrastructure Situational Awareness – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|---|-----------------|-----------|----------------|-----------------|-----------------|-----------|----------------|----------------|----------------------------|----------|----------|----------|--------------------------|-------------|------------------|------------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Critical Infrastructure Situational Awareness | 56 | 49 | \$8,499 | \$173.45 | 75 | 59 | \$8,431 | \$142.9 | - | - | - | - | (75) | (59) | (\$8,431) | (\$142.9) |
| Total | 56 | 49 | \$8,499 | \$173.45 | 75 | 59 | \$8,431 | \$142.9 | - | - | - | - | (75) | (59) | (\$8,431) | (\$142.9) |
| Discretionary - Appropriation | 56 | 49 | \$8,499 | \$173.45 | 75 | 59 | \$8,431 | \$142.9 | - | - | - | - | (75) | (59) | (\$8,431) | (\$142.9) |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$6,241 | \$8,431 | - | (\$8,431) |
| 11.3 Other than Full-Time Permanent | \$102 | - | - | - |
| 11.5 Other Personnel Compensation | \$170 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$1,986 | - | - | - |
| Total - Personnel Compensation and Benefits | \$8,499 | \$8,431 | - | (\$8,431) |
| Positions and FTE | | | | |
| Positions - Civilian | 56 | 75 | - | (75) |
| FTE - Civilian | 49 | 59 | - | (59) |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|----------------|-----------------|--------------------|----------------|-----------------|-------------------------------|----------|----------|-------------------------------------|------------------|-----------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Program Personnel | 49 | \$8,499 | \$173.45 | 59 | \$8,431 | \$142.90 | - | - | - | (59) | (\$8,431) | (\$142.90) |
| Total – Pay Cost Drivers | 49 | \$8,499 | \$173.45 | 59 | \$8,431 | \$142.90 | - | - | - | (59) | (\$8,431) | (142.90) |

Explanation of Pay Cost Driver

Program Personnel: As a result of CISA's PPA changes, this pay cost driver is no longer being utilized.

Critical Infrastructure Situational Awareness – PPA Level II**Non Pay Budget Exhibits****Non Pay Summary**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------------|------------------------|---------------------------------------|---|
| Critical Infrastructure Situational Awareness | \$18,852 | \$18,304 | - | (\$18,304) |
| Total | \$18,852 | \$18,304 | - | (\$18,304) |
| Discretionary - Appropriation | \$18,852 | \$18,304 | - | (\$18,304) |

Non Pay by Object Class

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|----------------------------|----------------------------|---------------------------------------|--------------------------------------|
| 21.0 Travel and Transportation of Persons | \$75 | - | - | - |
| 22.0 Transportation of Things | \$3 | - | - | - |
| 25.1 Advisory and Assistance Services | \$14,286 | \$18,304 | - | (\$18,304) |
| 25.2 Other Services from Non-Federal Sources | \$742 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$2,821 | - | - | - |
| 25.4 Operation and Maintenance of Facilities | \$95 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$780 | - | - | - |
| 26.0 Supplies and Materials | \$35 | - | - | - |
| 31.0 Equipment | \$15 | - | - | - |
| Total - Non Pay Object Classes | \$18,852 | \$18,304 | - | (\$18,304) |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|---|----------------------------|----------------------------|---------------------------------------|---|
| Critical Infrastructure Situational Awareness for Infrastructure Security | \$18,852 | \$18,304 | - | (\$18,304) |
| Total Non Pay Cost Drivers | \$18,852 | \$18,304 | - | (\$18,304) |

Explanation of Non Pay Cost Driver

Critical Infrastructure Situational Awareness for Infrastructure Security: Due to changes in CISA's PPA structure, this non pay cost driver will not be utilized in FY 2021.

Risk Management Operations – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|-----------------|----------------------------|------------|------------------|---------------------------------------|------------|---------------|---|--------------|--------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Risk Management Operations | 183 | 166 | \$77,136 | 183 | 166 | \$109,901 | - | - | - | (183) | (166) | (\$109,901) |
| Total | 183 | 166 | \$77,136 | 183 | 166 | \$109,901 | - | - | - | (183) | (166) | (\$109,901) |
| Subtotal Discretionary - Appropriation | 183 | 166 | \$77,136 | 183 | 166 | \$109,901 | - | - | - | (183) | (166) | (\$109,901) |

PPA Level II Description

As a result of CISA's PPA changes, the Risk Management Operations PPA is no longer being utilized. Activities previously funded at this Level II PPA will be funded out of the new Level I PPA with the same name. Consequently, the Risk Management Operations PPA historically funded efforts to address the Nation's highest priority risks to infrastructure through an integrated analytical risk management approach executed by the NRMC.

Risk Management Operations – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|--------------|--------------|--------------------|
| FY 2019 Enacted | 183 | 166 | \$77,136 |
| FY 2020 Enacted | 183 | 166 | \$109,901 |
| FY 2021 Base Budget | 183 | 166 | \$109,901 |
| Realignment for PPA from IO/RMO to RMO/RMO | - | - | (\$47,702) |
| Realignment for PPA from NRMC/IO/RMO/IA to SED/SER/SER/Council Mgmt | - | - | (\$1,088) |
| Realignment for PPA from NRMC/IO/RMO/NISAC to NRMC/RMO/RMO/NISAC | - | - | (\$9,055) |
| Realignment for PPA from NRMC/IO/RMO/RMO/IA to IOD/IO/OCP/Intelligence | (25) | (25) | (\$4,497) |
| Realignment for PPA from NRMC/IO/RMO/RMO/IA to IOD/RO/Coord & Service D | (10) | (10) | (\$1,451) |
| Realignment for PPA from NRMC/IO/RMO/RMO/IA to NRMC/RMO/RMO/Infrast A | (148) | (131) | (\$46,108) |
| Total Transfers | (183) | (166) | (\$109,901) |
| Total Adjustments-to-Base | (183) | (166) | (\$109,901) |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | (183) | (166) | (\$109,901) |

Risk Management Operations – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|------------|-----------------|-----------------|-----------------|------------|-----------------|-----------------|----------------------------|----------|----------|----------|--------------------------|--------------|-------------------|-------------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Risk Management Operations | 183 | 166 | \$30,218 | \$182.04 | 183 | 166 | \$30,218 | \$182.04 | - | - | - | - | (183) | (166) | (\$30,218) | (\$182.04) |
| Total | 183 | 166 | \$30,218 | \$182.04 | 183 | 166 | \$30,218 | \$182.04 | - | - | - | - | (183) | (166) | (\$30,218) | (\$182.04) |
| Discretionary - Appropriation | 183 | 166 | \$30,218 | \$182.04 | 183 | 166 | \$30,218 | \$182.04 | - | - | - | - | (183) | (166) | (\$30,218) | (\$182.04) |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$22,686 | \$30,218 | - | (\$30,218) |
| 11.3 Other than Full-Time Permanent | \$295 | - | - | - |
| 11.5 Other Personnel Compensation | \$487 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$6,750 | - | - | - |
| Total - Personnel Compensation and Benefits | \$30,218 | \$30,218 | - | (\$30,218) |
| Positions and FTE | | | | |
| Positions - Civilian | 183 | 183 | - | (183) |
| FTE - Civilian | 166 | 166 | - | (166) |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 President's Budget | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----------------|-----------------|-------------------------------|-----------------|-----------------|-------------------------------|----------|----------|-------------------------------------|-------------------|-------------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Risk Management Personnel | 166 | \$30,218 | \$182.04 | 166 | \$30,218 | \$182.04 | - | - | - | (166) | (\$30,218) | (\$182.04) |
| Total – Pay Cost Drivers | 166 | \$30,218 | \$182.04 | 166 | \$30,218 | \$182.04 | - | - | - | (166) | (\$30,218) | (\$182.04) |

Explanation of Pay Cost Driver

Risk Management Personnel: This pay cost driver will not be utilized in FY 2021 due to CISA's PPA changes.

Risk Management Operations – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Risk Management Operations | \$46,918 | \$79,683 | - | (\$79,683) |
| Total | \$46,918 | \$79,683 | - | (\$79,683) |
| Discretionary - Appropriation | \$46,918 | \$79,683 | - | (\$79,683) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$490 | - | - | - |
| 22.0 Transportation of Things | \$2 | - | - | - |
| 23.1 Rental Payments to GSA | \$1,054 | - | - | - |
| 23.3 Communications, Utilities, and Misc. Charges | \$2,547 | - | - | - |
| 24.0 Printing and Reproduction | \$10 | - | - | - |
| 25.1 Advisory and Assistance Services | \$19,953 | \$79,683 | - | (\$79,683) |
| 25.2 Other Services from Non-Federal Sources | \$321 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$20,428 | - | - | - |
| 25.4 Operation and Maintenance of Facilities | \$1,906 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$1 | - | - | - |
| 26.0 Supplies and Materials | \$30 | - | - | - |
| 31.0 Equipment | \$176 | - | - | - |
| Total - Non Pay Object Classes | \$46,918 | \$79,683 | - | (\$79,683) |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| Infrastructure Analysis | \$28,268 | \$57,890 | - | (\$57,890) |
| National Infrastructure Simulation and Analysis Center | \$18,650 | \$21,793 | - | (\$21,793) |
| Total – Non Pay Cost Drivers | \$46,918 | \$79,683 | - | (\$79,683) |

Explanation of Non Pay Cost Drivers

Due to changes in CISA's PPA structure, the non pay cost drivers listed in the above table will not be utilized in FY 2021.

Stakeholder Engagement and Requirements – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|-----------------|----------------------------|------------|-----------------|---------------------------------------|------------|---------------|---|-------------|-------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Stakeholder Engagement and Requirements | 108 | 86 | \$45,386 | 116 | 94 | \$42,511 | - | - | - | (116) | (94) | (\$42,511) |
| Total | 108 | 86 | \$45,386 | 116 | 94 | \$42,511 | - | - | - | (116) | (94) | (\$42,511) |
| Subtotal Discretionary - Appropriation | 108 | 86 | \$45,386 | 116 | 94 | \$42,511 | - | - | - | (116) | (94) | (\$42,511) |

PPA Level II Description

As a result of changes in CISA's PPA structure, the Stakeholder Engagement and Requirements PPA is no longer being utilized. Activities previously funded at this level II PPA will be funded out of the new Level I PPA with the same name. Historically, the Stakeholder Engagement & Requirements PPA funded efforts that fostered collaboration, coordination, and a culture of shared responsibility for national critical infrastructure risk management and resilience with FSLTT and private sector partners within the United States, and with our international partners abroad. Additionally, this PPA funded activities to translate leadership priorities and an understanding of the dynamic risk landscape into coordinated approaches to engaging these diverse stakeholders, consistent with the voluntary partnership framework defined in the National Infrastructure Protection Plan (NIPP) and informed by policy guidance defined in Presidential Policy Directive 21: *Critical Infrastructure Security and Resilience* and Executive Order 13636, *Improving Critical Infrastructure Cybersecurity*.

Stakeholder Engagement and Requirements – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|--------------|-------------|-------------------|
| FY 2019 Enacted | 108 | 86 | \$45,386 |
| FY 2020 Enacted | 116 | 94 | \$42,511 |
| FY 2021 Base Budget | 116 | 94 | \$42,511 |
| Realignment for PPA from CSD/IO/SER/SER to CSD/C/CO/Vulnerability M | (4) | (4) | (\$602) |
| Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/Council Mgmt | (5) | (5) | (\$4,149) |
| Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/SSAM | (1) | (1) | (\$3,168) |
| Realignment for PPA from CSD/IO/SER/SER to SED/SER/SER/Stakeholder E | (29) | (12) | (\$8,412) |
| Realignment for PPA from IO/SER to MS/MS | - | - | (\$106) |
| Realignment for PPA from IO/SER to SER/SER | - | - | (\$335) |
| Realignment for PPA from ISD/IO/SER/VA to IOD/RO/Coord & Serv D | (1) | (1) | (\$124) |
| Realignment for PPA from ISD/IO/SER/VA to ISD/IS/IAS/Assess and II | (17) | (17) | (\$16,271) |
| Realignment for PPA from OBIM/IO/SER to MGMT | (5) | (5) | - |
| Realignment for PPA from OOD/IO/SER/EA to MBS/MS/MS/External Affairs | (43) | (38) | (\$6,968) |
| Realignment for PPA from OOD/IO/SER/PRIV to MBS/MS/MS/Privacy | (11) | (11) | (\$2,376) |
| Total Transfers | (116) | (94) | (\$42,511) |
| Total Adjustments-to-Base | (116) | (94) | (\$42,511) |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | (116) | (94) | (\$42,511) |

Stakeholder Engagement and Requirements PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|---|-----------------|-----------|-----------------|-----------------|-----------------|-----------|-----------------|-----------------|----------------------------|----------|----------|----------|--------------------------|-------------|-------------------|-------------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Stakeholder Engagement and Requirements | 108 | 86 | \$14,936 | \$173.67 | 116 | 94 | \$14,428 | \$153.49 | - | - | - | - | (116) | (94) | (\$14,428) | (\$153.49) |
| Total | 108 | 86 | \$14,936 | \$173.67 | 116 | 94 | \$14,428 | \$153.49 | - | - | - | - | (116) | (94) | (\$14,428) | (\$153.49) |
| Discretionary - Appropriation | 108 | 86 | \$14,936 | \$173.67 | 116 | 94 | \$14,428 | \$153.49 | - | - | - | - | (116) | (94) | (\$14,428) | (\$153.49) |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$9,764 | \$14,428 | - | (\$14,428) |
| 11.3 Other than Full-Time Permanent | \$897 | - | - | - |
| 11.5 Other Personnel Compensation | \$159 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$4,116 | - | - | - |
| Total - Personnel Compensation and Benefits | \$14,936 | \$14,428 | - | (\$14,428) |
| Positions and FTE | | | | |
| Positions - Civilian | 108 | 116 | - | (116) |
| FTE - Civilian | 86 | 94 | - | (94) |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----------------|-----------------|--------------------|-----------------|-----------------|-------------------------------|----------|----------|-------------------------------------|-------------------|-------------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Program Personnel | 86 | \$14,936 | \$173.67 | 94 | \$14,428 | \$153.49 | - | - | - | (94) | (\$14,428) | (\$153.49) |
| Total – Pay Cost Drivers | 86 | \$14,936 | \$173.67 | 94 | \$14,428 | \$153.49 | - | - | - | (94) | (\$14,428) | (\$153.49) |

Explanation of Pay Cost Driver

Program Personnel: This pay cost driver will not be utilized in FY 2021 due to changes in CISA's PPA structure.

Stakeholder Engagement and Requirements – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|---|-----------------|-----------------|-------------------------------|-------------------------------------|
| Stakeholder Engagement and Requirements | \$30,450 | \$28,083 | - | (\$28,083) |
| Total | \$30,450 | \$28,083 | - | (\$28,083) |
| Discretionary - Appropriation | \$30,450 | \$28,083 | - | (\$28,083) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$911 | - | - | - |
| 22.0 Transportation of Things | \$76 | - | - | - |
| 23.1 Rental Payments to GSA | \$395 | - | - | - |
| 23.2 Rental Payments to Others | \$251 | - | - | - |
| 25.1 Advisory and Assistance Services | \$18,509 | \$28,083 | - | (\$28,083) |
| 25.2 Other Services from Non-Federal Sources | \$141 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$8,894 | - | - | - |
| 25.4 Operation and Maintenance of Facilities | \$5 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$1,128 | - | - | - |
| 26.0 Supplies and Materials | \$70 | - | - | - |
| 31.0 Equipment | \$70 | - | - | - |
| Total - Non Pay Object Classes | \$30,450 | \$28,083 | - | (\$28,083) |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| Engagements and Requirements | \$16,740 | \$14,154 | - | (\$14,154) |
| External Affairs | \$793 | \$806 | - | (\$806) |
| Vulnerability Assessments | \$12,803 | \$13,007 | - | (\$13,007) |
| Privacy | \$114 | \$116 | - | (\$116) |
| Total Non Pay Cost Drivers | \$30,450 | \$28,083 | - | (\$28,083) |

Explanation of Non Pay Cost Drivers

Due to changes in CISA's PPA structure, the non pay cost drivers listed in the above table will not be utilized in FY 2021.

Strategy, Policy, and Plans – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----------|-----------------|--------------------|-----------|-----------------|-------------------------------|----------|----------|-------------------------------------|-------------|-------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Strategy, Policy, and Plans | 64 | 53 | \$12,979 | 68 | 57 | \$12,726 | - | - | - | (68) | (57) | (\$12,726) |
| Total | 64 | 53 | \$12,979 | 68 | 57 | \$12,726 | - | - | - | (68) | (57) | (\$12,726) |
| Subtotal Discretionary - Appropriation | 64 | 53 | \$12,979 | 68 | 57 | \$12,726 | - | - | - | (68) | (57) | (\$12,726) |

PPA Level II Description

As a result of changes in CISA's PPA structure, the Strategy, Policy, and Plans (SPP) PPA will not be utilized in FY 2021. However, all activities previously funded by the Strategy, Policy, and Plans PPA will be funded in the Mission Support PPA to include the following:

- Articulating the long-term strategic vision for CISA;
- Developing and implementing Component-level strategy, policy, and planning that enables the enterprise strategic management process;
- Coordinating CISA's international policy, strategy, plans and engagements;
- Leading the development of integrated strategic, resource, and programmatic planning guidance;
- Conducting strategic, operational, and program evaluations;
- Managing external audits and inspections in order to support senior leadership and guide operations to enhance the resilience of the Nation's physical and cyber infrastructure;
- Promoting integration of policy and strategy across all of CISA's mission areas; and,
- Ensuring appropriate CISA representation and cooperation with the DHS Office of Policy.

Additionally, SPP's activities relating to the coordination of international policy, strategy, plans, and engagements, will be funded out of the new Stakeholder Engagement Level I PPA.

Strategy, Policy, and Plans – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|-------------|-------------|-------------------|
| FY 2019 Enacted | 64 | 53 | \$12,979 |
| FY 2020 Enacted | 68 | 57 | \$12,726 |
| FY 2021 Base Budget | 68 | 57 | \$12,726 |
| Realignment for PPA from CSD/IO/SPP/SPP to CSD/MS/MS/MS | (17) | (11) | (\$2,246) |
| Realignment for PPA from IO/SPP to MS/MS | - | - | (\$300) |
| Realignment for PPA from ISD/IO/SPP/SPP to ISD/MS/MS/SPP | (11) | (11) | (\$3,961) |
| Realignment for PPA from OBIM/IO/SER to MGMT | (4) | (4) | - |
| Realignment for PPA from OOD/IO/SPP/SPP to MBS/MS/MS/SPP | (25) | (20) | (\$4,662) |
| Realignment for PPA from OOD/IO/SPP/SPP to SED/SER/SER/Internat'l Affairs | (11) | (11) | (\$1,557) |
| Total Transfers | (68) | (57) | (\$12,726) |
| Total Adjustments-to-Base | (68) | (57) | (\$12,726) |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | (68) | (57) | (\$12,726) |

Strategy, Policy, and Plans – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|-----------|----------------|-----------------|-----------------|-----------|----------------|-----------------|----------------------------|----------|----------|----------|--------------------------|-------------|------------------|-------------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Strategy, Policy, and Plans | 64 | 53 | \$9,983 | \$188.36 | 68 | 57 | \$8,478 | \$148.74 | - | - | - | - | (68) | (57) | (\$8,478) | (\$148.74) |
| Total | 64 | 53 | \$9,983 | \$188.36 | 68 | 57 | \$8,478 | \$148.74 | - | - | - | - | (68) | (57) | (\$8,478) | (\$148.74) |
| Discretionary - Appropriation | 64 | 53 | \$9,983 | \$188.36 | 68 | 57 | \$8,478 | \$148.74 | - | - | - | - | (68) | (57) | (\$8,478) | (\$148.74) |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | \$7,857 | \$8,478 | - | (\$8,478) |
| 11.3 Other than Full-Time Permanent | \$49 | - | - | - |
| 11.5 Other Personnel Compensation | \$103 | - | - | - |
| 12.1 Civilian Personnel Benefits | \$1,974 | - | - | - |
| Total - Personnel Compensation and Benefits | \$9,983 | \$8,478 | - | (\$8,478) |
| Positions and FTE | | | | |
| Positions - Civilian | 64 | 68 | - | (68) |
| FTE - Civilian | 53 | 57 | - | (57) |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|----------------|-----------------|--------------------|----------------|-----------------|-------------------------------|----------|----------|-------------------------------------|------------------|-------------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Strategy, Policy, and Plans Personnel | 53 | \$9,983 | \$188.36 | 57 | \$8,478 | \$148.74 | - | - | - | (57) | (\$8,478) | (\$148.74) |
| Total – Pay Cost Drivers | 53 | \$9,983 | \$188.36 | 57 | \$8,478 | \$148.74 | - | - | - | (57) | (\$8,478) | (\$148.74) |

Explanation of Pay Cost Driver

Strategy, Policy, and Plans Personnel: There are no pay cost drivers for this activity in FY 2021.

Strategy, Policy, and Plans – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Strategy, Policy, and Plans | \$2,996 | \$4,248 | - | (\$4,248) |
| Total | \$2,996 | \$4,248 | - | (\$4,248) |
| Discretionary - Appropriation | \$2,996 | \$4,248 | - | (\$4,248) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 21.0 Travel and Transportation of Persons | \$1,672 | - | - | - |
| 25.1 Advisory and Assistance Services | \$1,324 | \$4,248 | - | (\$4,248) |
| Total - Non Pay Object Classes | \$2,996 | \$4,248 | - | (\$4,248) |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| Other Costs | \$2,996 | \$4,248 | - | (\$4,248) |
| Total Non Pay Cost Drivers | \$2,996 | \$4,248 | - | (\$4,248) |

Explanation of Non Pay Cost Driver

There are no non pay cost drivers for this activity in FY 2021.

Regional Operations – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|---------------|----------------------------|------------|---------------|---------------------------------------|------------|-----------------|---|------------|-----------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Regional Operations | - | - | - | - | - | - | 445 | 364 | \$95,105 | 445 | 364 | \$95,105 |
| Total | - | - | - | - | - | - | 445 | 364 | \$95,105 | 445 | 364 | \$95,105 |
| Subtotal Discretionary - Appropriation | - | - | - | - | - | - | 445 | 364 | \$95,105 | 445 | 364 | \$95,105 |

PPA Level II Description

The Regional Operations PPA is new in FY 2021 and will fund regional operations, coordination and service delivery under a single CISA regional construct ensuring the delivery of services are performed in an efficient, repeatable, and coordinated manner. This maturing of CISA's service delivery model will strengthen and concentrate CISA's capabilities while better aligning them with the needs of its stakeholder community. This PPA will fund the standardization and expansion of CISA's presence in regions as specific services from the Executive Sponsor (the Cybersecurity, Infrastructure Security, and Emergency Communication's Divisions' leadership) evolve and as stakeholders articulate their support needs.

The Regional Operations Level II PPA contains the following programs:

Coordination and Service Delivery: CISA has established 10 regional offices across the United States, one per FEMA region, to carry out regional operational support and service delivery. This program funds a Regional Director, Deputy Regional Director, and support staff, with technical expertise in risk analysis, exercises, training, planning, and operations management per region. It also provides funding for the travel, training, technology, and consumables required to run a regional office. From these offices, Regional Directors provide oversight of all field staff who are geographically dispersed throughout their Region to ensure a prioritized, coordinated, stakeholder-centric, service delivery approach. The funding for this PPA integrates and unifies stakeholder support channels for tools and assistance, with repeatable operational processes that stakeholders will find predictable, reliable, and accessible. These frontline CISA personnel will provide a local perspective to the national risk picture by identifying, assessing, monitoring, and minimizing the physical and cyber risk to critical infrastructure at the State, local, and regional levels.

Security Advisors (PSAs/CSAs) Program: This program funds the regional security advisors (CSAs and PSAs) who provide proactive engagement with SLTT government mission partners and the private sector to help protect the Nation’s critical infrastructure from physical and cybersecurity threats. Security advisors are located across the United States in the localities where critical infrastructure is built, operated, and maintained. They serve as onsite critical infrastructure and cybersecurity vulnerability assessment specialists for the agency, advising stakeholders how to best secure and ensure resiliency of their mission and functions. Security advisors will deliver service offerings from Executive Sponsors under the direction of the appropriate regional director – enhancing consistency in how stakeholders are engaged within a region. Finally, security advisors may participate in critical infrastructure response and recovery efforts from all hazards.

Regional Operations – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|--|------------|------------|------------------|
| FY 2019 Enacted | - | - | - |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| Realignment for OCC from IO/RO/C&S to MS/MS/MS | - | - | (\$1,346) |
| Realignment for PPA to IO/RO/Chemical Inspectors from ISD/IP/ISC/ISC | 180 | 150 | \$25,436 |
| Realignment for PPA to IO/RO/Security Advisors from ISD/IP/ICB/PSA | 151 | 122 | \$35,521 |
| Realignment for PPA to IO/RO from C/CIR | 50 | 25 | \$13,069 |
| Realignment for PPA to IO/RO from IO/CISA | 15 | 8 | \$2,821 |
| Realignment for PPA to IO/RO from IP/ICB | 15 | 8 | \$23,692 |
| Realignment for PPA to IO/RO from IP/ISC | - | - | \$924 |
| Realignment for PPA to IO/RO/Coord & Service D from CSD/C/FC/FNR | 1 | 1 | \$211 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IO/SER/VA | 1 | 1 | \$124 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/IISDP | 1 | 1 | \$124 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/PSA | - | - | \$3,888 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ICB/SRM | 34 | 31 | \$4,216 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/IS/ISC/ISC | 2 | 2 | \$308 |
| Realignment for PPA to IO/RO/Coord & Service D from ISD/MS/MS/MS | 10 | 7 | \$3,160 |
| Realignment for PPA to IO/RO/Coord & Service D from NRMC/IO/RMO/IA | 10 | 10 | \$1,451 |
| Realignment for PPA to IO/RO/Security Advisors from CSD/C/CIR/CSA | 30 | 23 | \$6,364 |
| Total Transfers | 500 | 389 | \$119,963 |
| 2020 Pay Raise | - | - | \$1,956 |
| 2021 Pay Raise | - | - | \$461 |
| FERS Agency Contribution | - | - | \$536 |
| Total, Pricing Increases | - | - | \$2,953 |
| Efficiencies | - | - | (\$1,573) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$12) |
| Total, Pricing Decreases | - | - | (\$1,585) |
| Total Adjustments-to-Base | 500 | 389 | \$121,331 |
| FY 2021 Current Services | 500 | 389 | \$121,331 |
| Additional Protective Security Advisor Hires | 158 | 143 | \$21,603 |

Integrated Operations - PPA
Regional Operations - PPA II

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|--------------|-------------------|
| Awards Spending Increase | - | - | \$614 |
| Total, Program Increases | 158 | 143 | \$22,217 |
| CFATS | (182) | (152) | (\$41,622) |
| Cyber Security Advisors | (16) | (8) | (\$4,971) |
| Regional Personnel | (15) | (8) | (\$1,850) |
| Total, Program Decreases | (213) | (168) | (\$48,443) |
| FY 2021 Request | 445 | 364 | \$95,105 |
| FY 2020 To FY 2021 Change | 445 | 364 | \$95,105 |

Regional Operations – PPA Level II Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|-----|--------|------|-----------------|-----|--------|------|----------------------------|------------|-----------------|-----------------|--------------------------|------------|-----------------|-----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Regional Operations | - | - | - | - | - | - | - | - | 445 | 364 | \$65,331 | \$179.48 | 445 | 364 | \$65,331 | \$179.48 |
| Total | - | - | - | - | - | - | - | - | 445 | 364 | \$65,331 | \$179.48 | 445 | 364 | \$65,331 | \$179.48 |
| Discretionary - Appropriation | - | - | - | - | - | - | - | - | 445 | 364 | \$65,331 | \$179.48 | 445 | 364 | \$65,331 | \$179.48 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | - | - | \$47,110 | \$47,110 |
| 12.1 Civilian Personnel Benefits | - | - | \$18,221 | \$18,221 |
| Total - Personnel Compensation and Benefits | - | - | \$65,331 | \$65,331 |
| Positions and FTE | | | | |
| Positions - Civilian | - | - | 445 | 445 |
| FTE - Civilian | - | - | 364 | 364 |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|--------|------|--------------------|--------|------|-------------------------------|-----------------|-----------------|-------------------------------------|-----------------|-----------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Coordination and Service Delivery | - | - | - | - | - | - | 53 | \$9,512 | \$179.48 | 53 | \$9,512 | \$179.48 |
| Security Advisors | - | - | - | - | - | - | 311 | \$55,819 | \$179.48 | 311 | \$55,819 | \$179.48 |
| Total – Pay Cost Drivers | - | - | - | - | - | - | 364 | \$65,331 | \$179.48 | 364 | \$65,331 | \$179.48 |

Explanation of Pay Cost Driver

Coordination and Service Delivery: This cost driver supports the transferred personnel as a result of the PPA realignments minus 15 positions associated with a program change, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Security Advisors: This cost driver supports the transferred personnel as a result of the PPA realignments, net program change requests of 142 additional positions, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Regional Operations – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Regional Operations | - | - | \$29,774 | \$29,774 |
| Total | - | - | \$29,774 | \$29,774 |
| Discretionary - Appropriation | - | - | \$29,774 | \$29,774 |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 25.1 Advisory and Assistance Services | - | - | \$29,774 | \$29,774 |
| Total - Non Pay Object Classes | - | - | \$29,774 | \$29,774 |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| Coordination and Service Delivery | - | - | \$3,185 | \$3,185 |
| Security Advisors | - | - | \$26,589 | \$26,589 |
| Total - Non Pay Cost Drivers | - | - | \$29,774 | \$29,774 |

Explanation of Non Pay Cost Driver

Coordination and Service Delivery: This cost driver supports the transferred non-pay resources as a result of the PPA realignments minus the non-pay resources associated with the Regional Operations program change.

Security Advisors: This cost driver supports the transferred non-pay resources as a result of the PPA realignments and non-pay resources associated with net program change requests of 142 additional positions.

Operations Coordination and Planning – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----|--------|--------------------|-----|--------|-------------------------------|------------|-----------------|-------------------------------------|------------|-----------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Operations Coordination and Planning | - | - | - | - | - | - | 158 | 150 | \$71,588 | 158 | 150 | \$71,588 |
| Total | - | - | - | - | - | - | 158 | 150 | \$71,588 | 158 | 150 | \$71,588 |
| Subtotal Discretionary - Appropriation | - | - | - | - | - | - | 158 | 150 | \$71,588 | 158 | 150 | \$71,588 |

PPA Level II Description

The Operations Coordination and Planning PPA is new in FY 2021 and will fund key headquarters elements necessary to integrate operations across CISA. Through an integrated cyber, physical, and communications operations center, CISA will maintain full situational awareness for tracking and coordination of incident response, including during the activation of emergency response functions. Ensuring CISA has the most accurate, timely, and actionable intelligence information is also funded via this PPA, a critical function to ensure responses are holistically determined to mitigate intended impacts. To ensure CISA is prepared to respond when it matters most, this PPA funds operational planning efforts necessary to methodically identify actions, roles and responsibilities of those responding to events and incidents before they occur. This includes emergency preparedness activities that support continuity of operations (COOP), continuity of government (COG), and devolution should a worst-case scenario emerge. Overall, these activities improve the management and conduct of operations between divisions and within regions to ensure rapid and effective response for our own national responsibilities and for those of our stakeholders.

The Operations Coordination and Planning Level II PPA contains the following programs:

Intelligence Analysis Program: This program supports operational intelligence activities that support CISA-wide efforts for information management and decision support. Funds will provide for the personnel to facilitate the provision of CISA-specific and incident-specific intelligence context and products to support CISA's mission and enable senior decision makers to determine appropriate courses of actions. This includes working with our intelligence partners to ensure CISA intelligence needs are properly represented and prioritized. It also includes the work required to merge raw intelligence reporting with CISA operational data such that it yields specific meaning to our responders, service providers, and stakeholders – at all levels (Federal, State, local, and private entities). Finally, required intelligence administrative functions such as the duties and responsibilities of the Key Intelligence Officer are funded through this program.

Operations Center Program: This program supports the merged management and watch activities that previously existed separately across CISA, resulting in a single operations center that will serve as a national nexus of cyber, physical, and communications integration for the Federal Government; SLTT governments; the Intelligence Community; law enforcement; the private sector; and international entities. This program funds shared situational awareness and orchestrated synchronized response efforts all while protecting the constitutional and privacy rights of Americans in the cybersecurity, physical infrastructure, and communications domains. This integrated approach to information sharing, data sharing, and enhanced situational awareness maximizes the ability for leadership to make informed strategic and operational decisions around security and resilience in both steady-state and incident-driven situations. The Operations Center Program funds emergency support functions that have been designated to CISA by FEMA to support regional and national disasters of all sources and magnitudes. This will result in more synchronized response, mitigation, and recovery efforts. A unified cyber and physical Watch and Warning Center will better meet national strategic goals; support interagency partners, critical infrastructure owners, and operators; and provide national and Departmental leadership with accurate, informed situational awareness and decision support.

Planning & Readiness Program: This program supports the operational planning efforts required to ensure our approach to events, disasters, and incidents is codified, clear, comprehensive, and effective. The operational planning efforts supported by this program allow for further integration among physical critical infrastructure, cyber, and communications activities by ensuring a cross-domain physical security and cybersecurity focus. In addition to funding the planning efforts, this PPA funds the after-action assessments and identification of corrective actions needed to optimize resources and achieve mission success. Finally, this program funds the work required to test internal processes and readiness by running internal drills and exercises to ensure the plans CISA produces are tested under safe conditions, re-produced if necessary, and institutionalized in the minds of the CISA personnel who will be called upon during an event. Overall, this program allows CISA to posture itself to execute mission requirements during steady-state and in time of crisis.

Business Continuity & Emergency Preparedness Program: This program supports the work required to ensure CISA is prepared to face an emergency that disrupts our ability to execute CISA's mission essential functions. Emergencies could be as localized as a building with malfunctioning services such as elevators or fire alarms to regional events such as hurricanes or other natural disasters to national events of widespread destruction caused by an attack on our country. The functions funded through this program include the ability to assess what staff can perform what function and at what location(s) at any given moment. The program funds the work required to ensure we have the processes, procedures, and space to support continuity of operations (COOP), continuity of government (COG), and devolution of functions should an event occur requiring such responses.

Operations Coordination and Planning – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|--|------------|------------|-----------------|
| FY 2019 Enacted | - | - | - |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| Realignment for PPA to IO/OCP from IP/ICB | - | - | \$612 |
| Realignment for PPA to IOD/IO/OCP/BCEP from OOD/IO/CISA/CISA | 13 | 11 | \$2,854 |
| Realignment for PPA to IOD/IO/OCP/Intelligence from NRMIC/IO/RMO/IA | 25 | 25 | \$4,497 |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/C/CRR/NCCIC Ops | 23 | 23 | \$11,017 |
| Realignment for PPA to IOD/IO/OCP/Ops Center from CSD/C/CRR/NCCIC P&E | 3 | 3 | \$4,653 |
| Realignment for PPA to IOD/IO/OCP/Ops Center from ISD/IO/CISA/CISA | 47 | 40 | \$21,060 |
| Realignment for PPA to IOD/IO/OCP/P&R from CSD/C/CRR/NCCIC P&E | 16 | 15 | \$1,666 |
| Realignment for PPA to IOD/OCP/Ops Center from CSD/C/CRR/NCCIC Ops | 26 | 26 | \$20,978 |
| Total Transfers | 153 | 143 | \$67,337 |
| 2020 Pay Raise | - | - | \$723 |
| 2021 Pay Raise | - | - | \$202 |
| Annualization of FY 2020 Continuity Operations (COOP) Enhancement Hiring | - | 2 | \$315 |
| FERS Agency Contribution | - | - | \$234 |
| National Coordination Center (NCC) FY 2021 Personnel Adjustment | 5 | 5 | - |
| Total, Pricing Increases | 5 | 7 | \$1,474 |
| Decrement in Operations Coordination and Watch | - | - | (\$13) |
| Efficiencies | - | - | (\$522) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$10) |
| Total, Pricing Decreases | - | - | (\$545) |
| Total Adjustments-to-Base | 158 | 150 | \$68,266 |
| FY 2021 Current Services | 158 | 150 | \$68,266 |
| Awards Spending Increase | - | - | \$269 |
| Continuity, Regionalization, and Devolution Out of Area | - | - | \$3,053 |
| Total, Program Increases | - | - | \$3,322 |
| FY 2021 Request | 158 | 150 | \$71,588 |
| FY 2020 To FY 2021 Change | 158 | 150 | \$71,588 |

Operations Coordination and Planning – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|-----|--------|------|-----------------|-----|--------|------|----------------------------|-----|----------|----------|--------------------------|-----|----------|----------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Operations Coordination and Planning | - | - | - | - | - | - | - | - | 158 | 150 | \$27,978 | \$186.52 | 158 | 150 | \$27,978 | \$186.52 |
| Total | - | - | - | - | - | - | - | - | 158 | 150 | \$27,978 | \$186.52 | 158 | 150 | \$27,978 | \$186.52 |
| Discretionary - Appropriation | - | - | - | - | - | - | - | - | 158 | 150 | \$27,978 | \$186.52 | 158 | 150 | \$27,978 | \$186.52 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | - | - | \$21,815 | \$21,815 |
| 12.1 Civilian Personnel Benefits | - | - | \$6,163 | \$6,163 |
| Total - Personnel Compensation and Benefits | - | - | \$27,978 | \$27,978 |
| Positions and FTE | | | | |
| Positions - Civilian | - | - | 158 | 158 |
| FTE - Civilian | - | - | 150 | 150 |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|--------|------|--------------------|--------|------|-------------------------------|-----------------|-----------------|-------------------------------------|-----------------|-----------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Operations Center | - | - | - | - | - | - | 97 | \$18,864 | \$194.47 | 97 | \$18,864 | \$194.47 |
| Intelligence | - | - | - | - | - | - | 25 | \$4,761 | \$190.44 | 25 | \$4,761 | \$190.44 |
| Planning and Readiness | - | - | - | - | - | - | 15 | \$1,825 | \$121.67 | 15 | \$1,825 | \$121.67 |
| Business Continuity and Emergency Preparedness | - | - | - | - | - | - | 13 | \$2,528 | \$194.47 | 13 | \$2,528 | \$194.47 |
| Total - Pay Cost Drivers | - | - | - | - | - | - | 150 | \$27,978 | \$186.52 | 150 | \$27,978 | \$186.52 |

Explanation of Pay Cost Driver

Operations Center: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Intelligence: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Planning and Readiness: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Business Continuity and Emergency Preparedness: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Operations Coordination and Planning – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Operations Coordination and Planning | - | - | \$43,610 | \$43,610 |
| Total | - | - | \$43,610 | \$43,610 |
| Discretionary - Appropriation | - | - | \$43,610 | \$43,610 |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 25.1 Advisory and Assistance Services | - | - | \$43,610 | \$43,610 |
| Total - Non Pay Object Classes | - | - | \$43,610 | \$43,610 |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| Operations Center | - | - | \$39,799 | \$39,799 |
| Business Continuity and Emergency Preparedness | - | - | \$3,811 | \$3,811 |
| Total Non Pay Cost Drivers | - | - | \$43,610 | \$43,610 |

Explanation of Non Pay Cost Driver

Operations Center: This cost driver supports the transferred non-pay resources as a result of the PPA realignments.

Business Continuity and Emergency Preparedness: This cost driver supports the transferred non-pay resources as a result of the PPA realignments and technical equipment and communications upgrades at COOP devolution sites.

Risk Management and Operations – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----|--------|--------------------|-----|--------|-------------------------------|------------|-----------------|-------------------------------------|------------|-----------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Risk Management Operations | - | - | - | - | - | - | 168 | 141 | \$86,318 | 168 | 141 | \$86,318 |
| Total | - | - | - | - | - | - | 168 | 141 | \$86,318 | 168 | 141 | \$86,318 |
| Subtotal Discretionary - Appropriation | - | - | - | - | - | - | 168 | 141 | \$86,318 | 168 | 141 | \$86,318 |

PPA Level I Description

The Risk Management Operations PPA in the O&S appropriation houses the National Risk Management Center (NRMC) a planning, analysis, and collaboration center focused on addressing the Nation's highest priority critical infrastructure risks, originating from cyber attacks and other hazards. The NRMC serves as the end-to-end integrator of risk management activities for National Critical Functions (NCFs), and leverages that risk expertise to support overall execution of the CISA mission.

The Risk Management Operations PPA contains the following Level II PPA:

Risk Management Operations: This PPA funds efforts to address the Nation's highest priority risks to infrastructure through an integrated, analytical risk management approach executed by the NRMC. Core NRMC analytic functions reside in the Risk Management Operations PPA, with technical expertise matrixed from across CISA to support specific NRMC-coordinated risk mitigation efforts. Funds will contribute to strategic initiatives to mitigate risks to position, navigation, and timing technologies, as well as other high-priority efforts. This PPA also provides leadership, oversight and coordination of implementation of risk management activities and strategic execution for all of the National Risk Management Center.

Risk Management Operations – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|---------|---------|-----------------|
| Enacted/Request | - | - | \$86,318 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | - | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | - | - | \$86,318 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | - | - | \$86,318 |
| Obligations (Actual/Estimates/Projections) | - | - | \$86,318 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | 168 |
| Enacted/Request FTE | - | - | 141 |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | 168 |
| FTE (Actual/Estimates/Projections) | - | - | 141 |

Risk Management Operations – PPA

Summary of Budget Changes

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|--|------------|------------|-------------------|
| FY 2019 Enacted | - | - | - |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| Realignment for OCC from RMO/RMO/IA to MS/MS/MS | - | - | (\$1,474) |
| Realignment for PPA to NRMC/RMO/RMO/Infrastructure A from NRMC/IO/RMO/IA | 148 | 131 | \$46,108 |
| Realignment for PPA to NRMC/RMO/RMO/NISAC from NRMC/IO/RMO/NISAC | - | - | \$9,055 |
| Realignment for PPA to RMO/RMO from IO/RMO | - | - | \$47,702 |
| Realignment for PPA to RMO/RMO from IP/ICB | - | - | \$1,088 |
| Total Transfers | 148 | 131 | \$102,479 |
| 2020 Pay Raise | - | - | \$701 |
| 2021 Pay Raise | - | - | \$185 |
| FERS Agency Contribution | - | - | \$214 |
| Total, Pricing Increases | - | - | \$1,100 |
| Decrement in Operations Coordination and Watch | - | - | (\$4) |
| Efficiencies | - | - | (\$522) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$8) |
| Operation Efficiency of Operations Support for NRMC costs | - | - | (\$251) |
| Software Assurance | - | - | (\$1,700) |
| Total, Pricing Decreases | - | - | (\$2,485) |
| Total Adjustments-to-Base | 148 | 131 | \$101,094 |
| FY 2021 Current Services | 148 | 131 | \$101,094 |
| Awards Spending Increase | - | - | \$247 |
| Total, Program Increases | - | - | \$247 |
| NISAC | - | - | (\$9,738) |
| NRMC | 20 | 10 | (\$5,285) |
| Total, Program Decreases | 20 | 10 | (\$15,023) |
| FY 2021 Request | 168 | 141 | \$86,318 |
| FY 2020 To FY 2021 Change | 168 | 141 | \$86,318 |

Risk Management Operations – PPA Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|-----|--------|------|-----------------|-----|--------|------|----------------------------|------------|-----------------|-----------------|--------------------------|------------|-----------------|-----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Risk Management Operations | - | - | - | - | - | - | - | - | 168 | 141 | \$27,950 | \$198.23 | 168 | 141 | \$27,950 | \$198.23 |
| Total | - | - | - | - | - | - | - | - | 168 | 141 | \$27,950 | \$198.23 | 168 | 141 | \$27,950 | \$198.23 |
| Discretionary - Appropriation | - | - | - | - | - | - | - | - | 168 | 141 | \$27,950 | \$198.23 | 168 | 141 | \$27,950 | \$198.23 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | - | - | \$21,280 | \$21,280 |
| 11.3 Other than Full-Time Permanent | - | - | \$295 | \$295 |
| 11.5 Other Personnel Compensation | - | - | \$410 | \$410 |
| 12.1 Civilian Personnel Benefits | - | - | \$5,617 | \$5,617 |
| 12.2 Military Personnel Benefits | - | - | \$348 | \$348 |
| Total - Personnel Compensation and Benefits | - | - | \$27,950 | \$27,950 |
| Positions and FTE | | | | |
| Positions - Civilian | - | - | 168 | 168 |
| FTE - Civilian | - | - | 141 | 141 |

Risk Management Operations – PPA

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Risk Management Operations | - | - | \$58,368 | \$58,368 |
| Total | - | - | \$58,368 | \$58,368 |
| Discretionary - Appropriation | - | - | \$58,368 | \$58,368 |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 23.1 Rental Payments to GSA | - | - | \$1,694 | \$1,694 |
| 23.2 Rental Payments to Others | - | - | \$2,739 | \$2,739 |
| 24.0 Printing and Reproduction | - | - | \$5 | \$5 |
| 25.1 Advisory and Assistance Services | - | - | \$22,169 | \$22,169 |
| 25.3 Other Goods and Services from Federal Sources | - | - | \$29,053 | \$29,053 |
| 25.4 Operation and Maintenance of Facilities | - | - | \$912 | \$912 |
| 94.0 Financial Transfers | - | - | \$1,796 | \$1,796 |
| Total - Non Pay Object Classes | - | - | \$58,368 | \$58,368 |

Risk Management Operations – PPA Level II**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----|--------|--------------------|-----|--------|-------------------------------|------------|-----------------|-------------------------------------|------------|-----------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Risk Management Operations | - | - | - | - | - | - | 168 | 141 | \$86,318 | 168 | 141 | \$86,318 |
| Total | - | - | - | - | - | - | 168 | 141 | \$86,318 | 168 | 141 | \$86,318 |
| Subtotal Discretionary - Appropriation | - | - | - | - | - | - | 168 | 141 | \$86,318 | 168 | 141 | \$86,318 |

PPA Level II Description

The Risk Management Operations PPA in the O&S appropriation funds efforts to address the Nation's highest priority risks to infrastructure through an integrated analytical risk management approach executed by the NRMC. Working collaboratively with public and private sector partners the NRMC serves as the end-to-end integrator of risk management activities for National Critical Functions - the functions of government and the private sector so vital to the United States that their disruption, corruption, or dysfunction would have a debilitating impact on national security, economic security, national public health or safety.

The NRMC performs four major activities for every risk topic that we take on:

- **Anticipate Risks:** NRMC proactively scans for trends in the strategic risk environment. Has the threat shifted fundamentally? Is a certain type of technology creating a paradigm shift? Have societal trends resulted in critical vulnerabilities? What governance gaps prevent effectively addressing national-level risk? NRMC looks at these types of questions and works to anticipate the impact on national security.
- **Assess and Analyze Risks:** NRMC develops the National Critical Function Risk Register and risk architecture to assess, analyze, and prioritize risk. We assess risks to, and dependencies between, the National Critical Functions, and analyze specific high-priority risk areas to support critical infrastructure community action. Together, these analytic insights support policy making and program development, as well as the more granular risk management decisions needed to support reduction of discrete risks.
- **Develop Risk Management Options:** NRMC collaborates with the infrastructure community to map a path toward effectively addressing risks. Stakeholders from across the infrastructure community, including interagency partners; large and small businesses; SLTT governments; non-profits; and academia are all crucially important to addressing these major risks.
- **Reduce Risk.** The NRMC catalyzes coordinated risk reduction activity to execute risk management plans. Where necessary, NRMC encourages direct action to reduce risk, working in coordination with partners. Most often, existing capabilities offered by infrastructure stakeholders can successfully execute risk management plans.

The NRMC also manages the National Infrastructure Simulation and Analysis Center (NISAC). NISAC builds and leverages advanced analytic capabilities to inform cyber and physical homeland security decisions and is an important analytic capability to grow the NRMCs capacity to identify, analyze, prioritize, and manage the most strategic risks to the Nation's critical infrastructure. NISAC's modeling, simulation, and analysis capabilities provide the NRMC with a robust understanding of critical infrastructure, including performance, causes of failure, and potential future behaviors. This PPA includes funding for the operation and maintenance of the Modeling Capability Transition Environment (MCTE), NRMC's cloud-based analytic environment designed for analysts to access, integrate, refine/run both analytical models and simulations, and perform geospatial and calculated analyses in a risk analytics workflow system.

Risk Management Operations – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|--|------------|------------|-------------------|
| FY 2019 Enacted | - | - | - |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| Realignment for OCC from RMO/RMO/IA to MS/MS/MS | - | - | (\$1,474) |
| Realignment for PPA to NRMC/RMO/RMO/Infrastructure A from NRMC/IO/RMO/IA | 148 | 131 | \$46,108 |
| Realignment for PPA to NRMC/RMO/RMO/NISAC from NRMC/IO/RMO/NISAC | - | - | \$9,055 |
| Realignment for PPA to RMO/RMO from IO/RMO | - | - | \$47,702 |
| Realignment for PPA to RMO/RMO from IP/ICB | - | - | \$1,088 |
| Total Transfers | 148 | 131 | \$102,479 |
| 2020 Pay Raise | - | - | \$701 |
| 2021 Pay Raise | - | - | \$185 |
| FERS Agency Contribution | - | - | \$214 |
| Total, Pricing Increases | - | - | \$1,100 |
| Decrement in Operations Coordination and Watch | - | - | (\$4) |
| Efficiencies | - | - | (\$522) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$8) |
| Operation Efficiency of Operations Support for NRMC costs | - | - | (\$251) |
| Software Assurance | - | - | (\$1,700) |
| Total, Pricing Decreases | - | - | (\$2,485) |
| Total Adjustments-to-Base | 148 | 131 | \$101,094 |
| FY 2021 Current Services | 148 | 131 | \$101,094 |
| Awards Spending Increase | - | - | \$247 |
| Total, Program Increases | - | - | \$247 |
| NISAC | - | - | (\$9,738) |
| NRMC | 20 | 10 | (\$5,285) |
| Total, Program Decreases | 20 | 10 | (\$15,023) |
| FY 2021 Request | 168 | 141 | \$86,318 |
| FY 2020 To FY 2021 Change | 168 | 141 | \$86,318 |

Risk Management Operations – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|--|-----------------|-----|--------|------|-----------------|-----|--------|------|----------------------------|------------|-----------------|-----------------|--------------------------|------------|-----------------|-----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Risk Management Operations | - | - | - | - | - | - | - | - | 168 | 141 | \$27,950 | \$198.23 | 168 | 141 | \$27,950 | \$198.23 |
| Total | - | - | - | - | - | - | - | - | 168 | 141 | \$27,950 | \$198.23 | 168 | 141 | \$27,950 | \$198.23 |
| Discretionary - Appropriation | - | - | - | - | - | - | - | - | 168 | 141 | \$27,950 | \$198.23 | 168 | 141 | \$27,950 | \$198.23 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | - | - | \$21,280 | \$21,280 |
| 11.3 Other than Full-Time Permanent | - | - | \$295 | \$295 |
| 11.5 Other Personnel Compensation | - | - | \$410 | \$410 |
| 12.1 Civilian Personnel Benefits | - | - | \$5,617 | \$5,617 |
| 12.2 Military Personnel Benefits | - | - | \$348 | \$348 |
| Total - Personnel Compensation and Benefits | - | - | \$27,950 | \$27,950 |
| Positions and FTE | | | | |
| Positions - Civilian | - | - | 168 | 168 |
| FTE - Civilian | - | - | 141 | 141 |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|----------|----------|--------------------|----------|----------|-------------------------------|-----------------|-----------------|-------------------------------------|-----------------|-----------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| Risk Management Personnel | - | - | - | - | - | - | 141 | \$27,950 | \$198.23 | 141 | \$27,950 | \$198.23 |
| Total – Pay Cost Drivers | - | - | - | - | - | - | 141 | \$27,950 | \$198.23 | 141 | \$27,950 | \$198.23 |

Explanation of Pay Cost Driver

Risk Management Personnel: This cost driver supports the transferred personnel as a result of the PPA realignments, a program increase request of 20 positions, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Risk Management Operations – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Risk Management Operations | - | - | \$58,368 | \$58,368 |
| Total | - | - | \$58,368 | \$58,368 |
| Discretionary - Appropriation | - | - | \$58,368 | \$58,368 |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 23.1 Rental Payments to GSA | - | - | \$1,694 | \$1,694 |
| 23.2 Rental Payments to Others | - | - | \$2,739 | \$2,739 |
| 24.0 Printing and Reproduction | - | - | \$5 | \$5 |
| 25.1 Advisory and Assistance Services | - | - | \$22,169 | \$22,169 |
| 25.3 Other Goods and Services from Federal Sources | - | - | \$29,053 | \$29,053 |
| 25.4 Operation and Maintenance of Facilities | - | - | \$912 | \$912 |
| 94.0 Financial Transfers | - | - | \$1,796 | \$1,796 |
| Total - Non Pay Object Classes | - | - | \$58,368 | \$58,368 |

Non Pay Cost Drivers

| Non Pay Cost Drivers <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|----------------------------|----------------------------|---------------------------------------|---|
| Risk Management Operations | - | - | \$58,368 | \$58,368 |
| Total Non Pay Cost Drivers | - | - | \$58,368 | \$58,368 |

Explanation of Non Pay Cost Driver

Risk Management Operations: The change from FY 2020 to FY 2021 costs reflects a significant investment in NRMC to grow its risk management capability and capacity to manage the risks to the national critical functions. Funding will specifically support NRMCS 5G network, supply chain security, and elections security initiatives.

Stakeholder Engagement and Requirements – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|---|--------------------|-----|--------|--------------------|-----|--------|-------------------------------|-----------|-----------------|-------------------------------------|-----------|-----------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Stakeholder Engagement and Requirements | - | - | - | - | - | - | 108 | 82 | \$37,520 | 108 | 82 | \$37,520 |
| Total | - | - | - | - | - | - | 108 | 82 | \$37,520 | 108 | 82 | \$37,520 |
| Subtotal Discretionary - Appropriation | - | - | - | - | - | - | 108 | 82 | \$37,520 | 108 | 82 | \$37,520 |

PPA Level I Description

A new PPA in FY 2021, the Stakeholder Engagement & Requirements PPA will fund efforts that foster collaboration, coordination, and a culture of shared responsibility for national critical infrastructure risk management and resilience with FSLTT and private sector partners within the United States, and with our international partners abroad. The Stakeholder Engagement program translates leadership priorities and an understanding of the dynamic risk landscape into coordinated approaches to engaging these diverse stakeholders, consistent with the voluntary partnership framework defined in the National Infrastructure Protection Plan (NIPP) and informed by policy guidance defined in Presidential Policy Directive 21: *Critical Infrastructure Security and Resilience* and Executive Order 13636, *Improving Critical Infrastructure Cybersecurity*. CISA's engagement approaches are also informed by a comprehensive understanding of stakeholder needs and of CISA's product and service offerings. CISA prioritizes the delivery of products and services to address capability gaps, all while remaining ready to quickly flex service and product delivery to address changes in the strategic risk landscape. This PPA also funds enterprise-wide stakeholder engagement governance, which ensures that CISA engages stakeholders with consistent approaches, consistent messaging, and a common understanding of expected outcomes. Stakeholder engagement governance is enabled by CISA-wide stakeholder relationship management business processes and tools, including an enterprise Stakeholder Relationship Management (SRM) system.

Stakeholder Engagement and Requirements – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|---------|---------|----------|
| Enacted/Request | - | - | \$37,520 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | - | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | - | - | \$37,520 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | - | - | \$37,520 |
| Obligations (Actual/Estimates/Projections) | - | - | \$37,520 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | 108 |
| Enacted/Request FTE | - | - | 82 |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | 108 |
| FTE (Actual/Estimates/Projections) | - | - | 82 |

Stakeholder Engagement and Requirements – PPA

Summary of Budget Changes

| Budget Formulation Activity (Dollars in Thousands) | Positions | FTE | Amount |
|---|------------|-----------|-----------------|
| FY 2019 Enacted | - | - | - |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| Realignment for OCC from SER/SER/SE to MS/MS/MS | - | - | (\$1,326) |
| Realignment for PPA to SED/SER/SER/Council Management from CSD/IO/SER/SER | 5 | 5 | \$4,149 |
| Realignment for PPA to SED/SER/SER/Council Management from ISD/IP/ICB/SRM | 17 | 14 | \$2,516 |
| Realignment for PPA to SED/SER/SER/Council Management from NRM/IO/RMO/IA | - | - | \$1,088 |
| Realignment for PPA to SED/SER/SER/IA from OOD/IO/SPP/SPP | 11 | 11 | \$1,557 |
| Realignment for PPA to SED/SER/SER/SSMA from CSD/IO/SER/SER | 1 | 1 | \$3,168 |
| Realignment for PPA to SED/SER/SER/SSMA from ISD/IP/ICB/SRM | 33 | 30 | \$11,260 |
| Realignment for PPA to SED/SER/SER/Stakeholder Engmt from CSD/C/CIR/CEA | 2 | 2 | \$1,867 |
| Realignment for PPA to SED/SER/SER/Stakeholder Engmt from CSD/IO/SER/SER | 29 | 12 | \$8,412 |
| Realignment for PPA to SED/SER/SER/Stakeholder Engmt from ISD/IP/ICB/SRM | 10 | 7 | \$3,889 |
| Realignment for PPA to SER/SER from IO/SER | - | - | \$335 |
| Total Transfers | 108 | 82 | \$36,915 |
| 2020 Pay Raise | - | - | \$517 |
| 2021 Pay Raise | - | - | \$127 |
| FERS Agency Contribution | - | - | \$146 |
| Total, Pricing Increases | - | - | \$790 |
| Efficiencies | - | - | (\$346) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$7) |
| Total, Pricing Decreases | - | - | (\$353) |
| Total Adjustments-to-Base | 108 | 82 | \$37,352 |
| FY 2021 Current Services | 108 | 82 | \$37,352 |
| Awards Spending Increase | - | - | \$168 |
| Total, Program Increases | - | - | \$168 |
| FY 2021 Request | 108 | 82 | \$37,520 |
| FY 2020 To FY 2021 Change | 108 | 82 | \$37,520 |

Stakeholder Engagements and Requirements – PPA

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|---|-----------------|-----|--------|------|-----------------|-----|--------|------|----------------------------|-----------|-----------------|-----------------|--------------------------|-----------|-----------------|-----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Stakeholder Engagement and Requirements | - | - | - | - | - | - | - | - | 108 | 82 | \$17,623 | \$214.91 | 108 | 82 | \$17,623 | \$214.91 |
| Total | - | - | - | - | - | - | - | - | 108 | 82 | \$17,623 | \$214.91 | 108 | 82 | \$17,623 | \$214.91 |
| Discretionary - Appropriation | - | - | - | - | - | - | - | - | 108 | 82 | \$17,623 | \$214.91 | 108 | 82 | \$17,623 | \$214.91 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | - | - | \$14,343 | \$14,343 |
| 12.1 Civilian Personnel Benefits | - | - | \$3,280 | \$3,280 |
| Total - Personnel Compensation and Benefits | - | - | \$17,623 | \$17,623 |
| Positions and FTE | | | | |
| Positions - Civilian | - | - | 108 | 108 |
| FTE - Civilian | - | - | 82 | 82 |

Stakeholder Engagement and Requirements – PPA

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|---|-----------------|-----------------|-------------------------------|-------------------------------------|
| Stakeholder Engagement and Requirements | - | - | \$19,897 | \$19,897 |
| Total | - | - | \$19,897 | \$19,897 |
| Discretionary - Appropriation | - | - | \$19,897 | \$19,897 |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 25.1 Advisory and Assistance Services | - | - | \$19,897 | \$19,897 |
| Total - Non Pay Object Classes | - | - | \$19,897 | \$19,897 |

Stakeholder Engagement and Requirements – PPA Level II

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|---|--------------------|-----|--------|--------------------|-----|--------|-------------------------------|-----------|-----------------|-------------------------------------|-----------|-----------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Stakeholder Engagement and Requirements | - | - | - | - | - | - | 108 | 82 | \$37,520 | 108 | 82 | \$37,520 |
| Total | - | - | - | - | - | - | 108 | 82 | \$37,520 | 108 | 82 | \$37,520 |
| Subtotal Discretionary - Appropriation | - | - | - | - | - | - | 108 | 82 | \$37,520 | 108 | 82 | \$37,520 |

PPA Level II Description

The Stakeholder Engagement & Requirements PPA funds efforts that foster collaboration, coordination, and a culture of shared responsibility for national critical infrastructure risk management and resilience with Federal, State, local, tribal, and territorial (FSLTT) and private sector partners within the United States, and with our international partners abroad. To this end, CISA translates leadership priorities and an understanding of the dynamic risk landscape into coordinated approaches to engaging these diverse stakeholders, consistent with the voluntary partnership framework defined in the National Infrastructure Protection Plan (NIPP) and informed by policy guidance defined in Presidential Policy Directive 21: *Critical Infrastructure Security and Resilience* and Executive Order 13636, *Improving Critical Infrastructure Cybersecurity*. CISA's engagement approaches are also informed by a comprehensive understanding of stakeholder needs and of CISA's product and service offerings. CISA prioritizes the delivery of products and services to address capability gaps, all while remaining ready to quickly flex service and product delivery to address changes in the strategic risk landscape. This PPA also funds CISA-wide stakeholder engagement governance, which ensures that CISA engages stakeholders with consistent approaches, consistent messaging, and a common understanding of expected outcomes. Stakeholder engagement governance is enabled by CISA-wide stakeholder relationship management business processes and tools, including an enterprise Stakeholder Relationship Management (SRM) system.

The Stakeholder Engagement & Requirements PPA contains the following four programs:

Sector Specific Agency (SSA) Management: This program supports CISA's roles and functions as the Sector Specific Agency for eight of the Nation's 16 critical infrastructure sectors, as defined in the National Infrastructure Protection Plan (NIPP) and *Presidential Policy Directive 21: Critical Infrastructure Security and Resilience*. CISA is the SSA for the Chemical; Commercial Facilities; Communications; Critical Manufacturing; Dams; Emergency Services; Information Technology; and Nuclear Reactors, Materials, and Waste sectors, and leads nationwide planning and coordination for the Election Infrastructure sub-sector. In its role as the SSA, CISA implements the NIPP sector partnership model and risk management framework; coordinates with government and non-government stakeholders to plan, implement, and execute sector-specific initiatives to advance the critical infrastructure security and resilience mission; leads the development and revisions of the corresponding Sector-Specific Plans;

leads the development of guidelines, playbooks, training resources, and informational products; and promotes the adoption of physical and cyber risk management best practices across each sector. Additionally, the program funds activities associated with CISA's responsibility for overall coordination of NIPP implementation activities and NIPP partnership structures, to include their operations, governance, strategic planning efforts, and information-sharing and outreach mechanisms. In FY 2021, CISA will continue to improve the execution of SSA responsibilities by enhancing regional-level efforts to engage with sector-specific and cross-sector stakeholders, thus increasing the depth and breadth of engagement and outreach efforts. CISA will also continue to improve capabilities to monitor key issues, emerging challenges, key requirements, and strategic trends across the assigned sectors to identify areas where the NIPP-coordinating structures can serve as a catalyst to increase the overall security and resilience of the Nation's critical infrastructure.

Council Management: This program supports CISA's mandated functions as the Executive Secretariat for the Critical Infrastructure Partnership Advisory Council (CIPAC), the President's National Security Telecommunications Advisory Committee (NSTAC), and the National Infrastructure Advisory Council (NIAC), which includes management of official meeting and membership records, operations, and compliance requirements for council and associated working group activities. CIPAC was established in 2006 by Section 871(a) of the *Homeland Security Act of 2002*, 6 U.S.C. § 451(a), consistent with the National Infrastructure Protection Plan and *Presidential Policy Directive 21: Critical Infrastructure Security and Resilience*, to provide a forum in which the government and private sector entities, organized as coordinating councils, can jointly engage in a broad spectrum of activities to support and collaborate on critical infrastructure security and resilience efforts. The President's NSTAC was created pursuant to EO 12382, *President's National Security Telecommunications Advisory Committee*, and EO 13889, *Continuance of Certain Federal Advisory Committees*, to provide policy recommendations to the President regarding the ways in which telecommunications technologies can support the Government's national security and emergency preparedness (NS/EP) functions. The NIAC was established through Executive Order (EO) 13231 to advise the President on the security and resilience of the Nation's critical infrastructure sectors and their functional systems, physical assets, and cyber networks. In FY 2021, CISA will continue to improve the execution of Council Management responsibilities by enhancing business support, expanding cross-pollination of key issues and priority items, and ensuring effective monitoring and tracking of recommendations.

Stakeholder Engagement: This program coordinates CISA-wide stakeholder engagement strategy development and execution, stakeholder engagement campaign planning and execution, stakeholder knowledge management and analysis, and stakeholder engagement performance management and measurement. The principal purpose of these activities is to improve stakeholder satisfaction with CISA's products and services and with CISA's integration of stakeholder considerations and objectives in mission planning and execution. Strategic stakeholder engagement planning provides a data-driven and needs-based approach to CISA's myriad critical infrastructure outreach and engagement efforts. This program supports activities that provide a common entry point and common onboarding/intake process for new stakeholders to maximize access and use of CISA products and services. It also funds stakeholder requirements gathering and evaluation to drive the develop of new products and services to improve critical infrastructure security and resiliency at the individual asset, sector, and national levels. Finally, this program supports stakeholder knowledge management efforts through a CISA-wide stakeholder relationship management (SRM) platform. CISA's SRM streamlines stakeholder engagement planning, execution, and management by providing a centralized data store and automated transaction processing capability. It facilitates data queries, matching stakeholders to CISA products and service providers, and coordinating cross-CISA engagements. It also enables strategic and

operational planning by providing reporting and analytics capabilities that allows us to quickly see product and service delivery trends, engagement forecasting, stakeholder demand signals, engagement performance, and portfolio gaps.

International Affairs: This program supports CISA’s efforts, as defined in *Presidential Policy Directive 21: Critical Infrastructure Security and Resilience*, to engage with international partners to strengthen the security and resilience of domestic critical infrastructure and critical infrastructure located outside of the United States on which the Nation depends. CISA regularly coordinates with the Department of State, Sector Specific Agencies, and other Federal departments and agencies, to engage foreign governments and international organizations with the shared goals of facilitating the exchange of best practices and lessons learned for promoting the security and resilience of critical infrastructure, and establishing and expanding international partnerships that advance the United States’ critical infrastructure security and resilience goals.

This PPA also funds National Cybersecurity Awareness activities to benefit the American people by providing support to States, local governments, non-profit organizations, and critical infrastructure for programs intended to build the cybersecurity knowledge of our Nation to ensure every American has the resources they need to stay safer and more secure online.

Stakeholder Engagement and Requirements – PPA Level II

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------|-----------|-----------------|
| FY 2019 Enacted | - | - | - |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| Realignment for OCC from SER/SER/SE to MS/MS/MS | - | - | (\$1,326) |
| Realignment for PPA to SED/SER/SER/Council Management from CSD/IO/SER/SER | 5 | 5 | \$4,149 |
| Realignment for PPA to SED/SER/SER/Council Management from ISD/IP/ICB/SRM | 17 | 14 | \$2,516 |
| Realignment for PPA to SED/SER/SER/Council Management from NRMC/IO/RMO/IA | - | - | \$1,088 |
| Realignment for PPA to SED/SER/SER/IA from OOD/IO/SPP/SPP | 11 | 11 | \$1,557 |
| Realignment for PPA to SED/SER/SER/SSMA from CSD/IO/SER/SER | 1 | 1 | \$3,168 |
| Realignment for PPA to SED/SER/SER/SSMA from ISD/IP/ICB/SRM | 33 | 30 | \$11,260 |
| Realignment for PPA to SED/SER/SER/Stakeholder Engmt from CSD/C/CIR/CEA | 2 | 2 | \$1,867 |
| Realignment for PPA to SED/SER/SER/Stakeholder Engmt from CSD/IO/SER/SER | 29 | 12 | \$8,412 |
| Realignment for PPA to SED/SER/SER/Stakeholder Engmt from ISD/IP/ICB/SRM | 10 | 7 | \$3,889 |
| Realignment for PPA to SER/SER from IO/SER | - | - | \$335 |
| Total Transfers | 108 | 82 | \$36,915 |
| 2020 Pay Raise | - | - | \$517 |
| 2021 Pay Raise | - | - | \$127 |
| FERS Agency Contribution | - | - | \$146 |
| Total, Pricing Increases | - | - | \$790 |
| Efficiencies | - | - | (\$346) |
| Federal Protective Service (FPS) Fee Adjustment | - | - | (\$7) |
| Total, Pricing Decreases | - | - | (\$353) |
| Total Adjustments-to-Base | 108 | 82 | \$37,352 |
| FY 2021 Current Services | 108 | 82 | \$37,352 |
| Awards Spending Increase | - | - | \$168 |
| Total, Program Increases | - | - | \$168 |
| FY 2021 Request | 108 | 82 | \$37,520 |
| FY 2020 To FY 2021 Change | 108 | 82 | \$37,520 |

Stakeholder Engagement and Requirements – PPA Level II

Personnel Compensation and Benefits

Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | | FY 2020 Enacted | | | | FY 2021 President's Budget | | | | FY 2020 to FY 2021 Total | | | |
|---|-----------------|-----|--------|------|-----------------|-----|--------|------|----------------------------|-----------|-----------------|-----------------|--------------------------|-----------|-----------------|-----------------|
| | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate | Pos. | FTE | Amount | Rate |
| Stakeholder Engagement and Requirements | - | - | - | - | - | - | - | - | 108 | 82 | \$17,623 | \$214.91 | 108 | 82 | \$17,623 | \$214.91 |
| Total | - | - | - | - | - | - | - | - | 108 | 82 | \$17,623 | \$214.91 | 108 | 82 | \$17,623 | \$214.91 |
| Discretionary - Appropriation | - | - | - | - | - | - | - | - | 108 | 82 | \$17,623 | \$214.91 | 108 | 82 | \$17,623 | \$214.91 |

Pay by Object Class

| Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 - FY 2021 Change |
|--|-----------------|-----------------|-------------------------------|-----------------------------|
| 11.1 Full-time Permanent | - | - | \$14,343 | \$14,343 |
| 12.1 Civilian Personnel Benefits | - | - | \$3,280 | \$3,280 |
| Total - Personnel Compensation and Benefits | - | - | \$17,623 | \$17,623 |
| Positions and FTE | | | | |
| Positions - Civilian | - | - | 108 | 108 |
| FTE - Civilian | - | - | 82 | 82 |

Pay Cost Drivers

| Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|--------|------|--------------------|--------|------|-------------------------------|-----------------|-----------------|-------------------------------------|-----------------|-----------------|
| | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate | FTE | Amount | Rate |
| SSA Management | - | - | - | - | - | - | 31 | \$6,964 | \$224.65 | 31 | \$6,964 | \$224.65 |
| Council Management | - | - | - | - | - | - | 19 | \$4,268 | \$224.63 | 19 | \$4,268 | \$224.63 |
| Stakeholder Engagement | - | - | - | - | - | - | 21 | \$4,717 | \$224.62 | 21 | \$4,717 | \$224.62 |
| International Affairs | - | - | - | - | - | - | 11 | \$1,674 | \$152.18 | 11 | \$1,674 | \$152.18 |
| Total – Pay Cost Drivers | - | - | - | - | - | - | 82 | \$17,623 | \$214.91 | 82 | \$17,623 | \$214.91 |

Explanation of Pay Cost Driver

SSA Management: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Council Management: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Stakeholder Management: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

International Affairs: This cost driver supports the transferred personnel as a result of the PPA realignments, a 3.1% enacted pay raise for 2020, a 1% pay raise requested for 2021, increases in awards, and FERS agency contributions.

Stakeholder Engagement and Requirements – PPA Level II

Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|---|-----------------|-----------------|-------------------------------|-------------------------------------|
| Stakeholder Engagement and Requirements | - | - | \$19,897 | \$19,897 |
| Total | - | - | \$19,897 | \$19,897 |
| Discretionary - Appropriation | - | - | \$19,897 | \$19,897 |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 25.1 Advisory and Assistance Services | - | - | \$19,897 | \$19,897 |
| Total - Non Pay Object Classes | - | - | \$19,897 | \$19,897 |

Non Pay Cost Drivers

| Non Pay Cost Drivers (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|--------------------|--------------------|-------------------------------|-------------------------------------|
| SSA Management | - | - | \$7,792 | \$7,792 |
| Council Management | - | - | \$3,686 | \$3,686 |
| Stakeholder Engagement | - | - | \$8,419 | \$8,419 |
| Total - Non Pay Cost Drivers | - | - | \$19,897 | \$19,897 |

Explanation of Non Pay Cost Driver

SSA Management: Non-pay cost drivers for this activity include the realignments and transfers across numerous PPAs in support of CISA's realigned PPA structure; program management support and subject matter expertise intended to support CISA's efforts to implement the NIPP sector partnership model and risk management framework; coordinate with government and non-government stakeholders to plan, implement, and execute sector-specific initiatives to advance the critical infrastructure security and resilience mission; lead the development and revisions of the corresponding Sector-Specific Plans; lead the development of guidelines, playbooks, training resources, and informational products; and promote the adoption of physical and cyber risk management best practices across each sector.

Council Management: These cost are attributed to the realignments and transfers across numerous PPAs in support of CISA's realigned PPA structure. Also included is funding for planning and executing mandated council meetings for the Critical Infrastructure Partnership Advisory Council (CIPAC), National Security Telecommunications Advisory Council (NSTAC), and National Infrastructure Advisory Council (NIAC), and for providing subject matter experts at council meetings to contribute substantive input to council discussions. Additionally, the FY 2021 baseline for this PPA reflects a base adjustment of \$0.802M to fund program support for the NIAC, an unfunded priority in previous years.

Stakeholder Engagement: Included in these cost are the realignments and transfers across numerous PPAs in support of CISA's realigned PPA structure; stakeholder engagement strategy execution, which involves significant outreach to current and prospective private sector partners; coordination with SLTT partners; and program management support and subject matter expertise. Additionally, this PPA funds the Homeland Security Information Network – Critical Infrastructure (HSIN-CI) portal operations and maintenance.

Department of Homeland Security
Cybersecurity and Infrastructure Security Agency
Procurement, Construction, and Improvements



Fiscal Year 2021
Congressional Justification

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Procurement, Construction, and Improvements

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------|------------------|-------------------------------|-------------------------------------|
| Construction and Facilities Improvements | \$15,000 | - | - | - |
| Cybersecurity Assets and Infrastructure | \$255,078 | \$379,352 | \$265,520 | (\$113,832) |
| Emergency Communications Assets and Infrastructure | \$42,551 | \$50,729 | \$41,158 | (\$9,571) |
| Risk Management Assets and Infrastructure | \$413 | - | - | - |
| Infrastructure Security Assets and Infrastructure | \$9,787 | \$4,881 | \$6,801 | \$1,920 |
| Total | \$322,829 | \$434,962 | \$313,479 | (\$121,483) |
| Discretionary - Appropriation | \$322,829 | \$434,962 | \$313,479 | (\$121,483) |

The Cybersecurity and Infrastructure Security Agency (CISA) Procurement, Construction, and Improvements (PC&I) appropriation supports activities which enhance the security and resilience of the Nation's infrastructure against terrorist attacks, cyber events, natural disasters, and other large-scale incidents, including national special security events. PC&I provides funds necessary for the planning, operational development, engineering and purchase of one or more assets (which hereinafter also refers to end items) prior to sustainment. Information Technology (IT) related PC&I may consist of one or more end items which provide useful software and/or hardware in an operational (production) environment, including non-tangible assets.

In November 2018, Congress passed the Cybersecurity and Infrastructure Security Agency Act of 2018 reorganizing the former National Protection and Programs Directorate (NPPD) into CISA, which today serves as an operational Component focused on leading the national effort to understand and manage cyber and physical risks to critical U.S. infrastructure. The Fiscal Year (FY) 2021 President's Budget reorganizes the PPA structure to fully reflect this vision. Accordingly, CISA's Programs, Projects, and Activities (PPAs) have been redesignated within the PC&I appropriation to provide clarity on investment funding, as follows:

Construction and Facility Improvements: This PPA provides funding for all associated land and facility investments above the PC&I Thresholds as described in the Department's Financial Management Policy Manual (FMPM). This PPA is used to fund Real Property construction and improvements and include funding for related Interagency Agreements with third parties such as the General Services Administration (GSA).

Cybersecurity Assets and Infrastructure: This PPA funds major acquisition programs that support cybersecurity activities, to include the Continuous Diagnostics and Mitigation (CDM) and National Cybersecurity Protection System (NCPS) programs.

Emergency Communications Assets and Infrastructure: This PPA funds Emergency Communications responsible for advancing the Nation's interoperable emergency communications capabilities to enable first responders and government officials to continue to communicate in the event of disasters.

Infrastructure Security Assets and Infrastructure: This PPA funds efforts that conduct and facilitate vulnerability and consequence assessments to help critical infrastructure owners and operators and SLTT partners understand and address risks to critical infrastructure.

Risk Management Assets and Infrastructure: This PPA funds efforts the Modeling Capability Transition Environment (MCTE), which is an IT environment that National Risk Management Center (NRMC) analysts can integrate, refine, and utilize to run analytical models, run simulations, and perform geospatial and calculated analyses in a risk analytics workflow system, allowing analysts to systematically integrate risk analytical models to create an automated workflow system for infrastructure modeling.

Procurement, Construction, and Improvements

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|------------------|------------------|------------------|
| Enacted/Request | \$322,829 | \$434,962 | \$313,479 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | \$278,210 | \$94,388 | \$5,000 |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$601,039 | \$529,350 | \$318,479 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$601,039 | \$529,350 | \$318,479 |
| Obligations (Actual/Estimates/Projections) | \$506,651 | \$524,350 | \$289,472 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | - |
| Enacted/Request FTE | - | - | - |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | - |
| FTE (Actual/Estimates/Projections) | - | - | - |

Procurement, Construction, and Improvements

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|-----------|-----|--------------------|
| FY 2019 Enacted | - | - | \$322,829 |
| FY 2020 Enacted | - | - | \$434,962 |
| FY 2021 Base Budget | - | - | - |
| CISA Gateway | - | - | \$6,801 |
| Continuous Diagnostics and Mitigation (CDM) | - | - | \$174,350 |
| National Cybersecurity Protection System (NCPS) | - | - | \$91,170 |
| Next Generation Networks Priority Services (NGN-PS) | - | - | \$41,158 |
| Total Investment Elements | - | - | \$313,479 |
| FY 2021 Request | - | - | \$313,479 |
| FY 2020 To FY 2021 Change | - | - | (\$121,483) |

Procurement, Construction, and Improvements**Non Pay Budget Exhibits****Non Pay by Object Class**

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|----------------------------|----------------------------|---------------------------------------|--------------------------------------|
| 22.0 Transportation of Things | \$13 | - | - | - |
| 23.1 Rental Payments to GSA | \$880 | - | - | - |
| 23.2 Rental Payments to Others | \$985 | - | - | - |
| 25.1 Advisory and Assistance Services | \$98,599 | \$181,056 | \$96,817 | (\$84,239) |
| 25.2 Other Services from Non-Federal Sources | \$439 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$198,018 | \$253,906 | \$216,662 | (\$37,244) |
| 25.4 Operation and Maintenance of Facilities | \$62 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$2,453 | - | - | - |
| 26.0 Supplies and Materials | \$32 | - | - | - |
| 31.0 Equipment | \$6,348 | - | - | - |
| 32.0 Land and Structures | \$15,000 | - | - | - |
| Total - Non Pay Object Classes | \$322,829 | \$434,962 | \$313,479 | (\$121,483) |

**Procurement, Construction, and Improvements
Capital Investments Exhibits****Capital Investments**

| Investment <i>(Dollars in Thousands)</i> | Unique Item Identifier | Acquisition Level | Procurement/ Construction | IT/Non-IT | MAOL | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|-------------------------------|--------------------------|----------------------------------|------------------|-------------|------------------------|------------------------|-----------------------------------|
| Continuous Diagnostics and Mitigation | 024-000009571 | 1 | Procurement | IT | Yes | \$160,000 | \$213,514 | \$174,350 |
| National Cybersecurity Protection System | 024-000009508 | 1 | Procurement | IT | Yes | \$95,078 | \$165,838 | \$91,170 |
| Next Generation Networks Priority Services | 024-000009540 | 2 | Procurement | IT | Yes | \$42,551 | \$50,729 | \$41,158 |
| CISA Gateway | 024-000009567 | 2 | Procurement | IT | No | \$9,787 | \$4,881 | \$6,801 |
| Modeling Capability Transition Environment | 024-000009587 | 3 | Procurement | IT | Yes | \$413 | - | - |
| Pensacola Corry Station Facilities | N/A | Non-Major | Construction | Non-IT | No | \$15,000 | - | - |

Construction and Facilities Improvements – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------------|------------------------|---------------------------------------|---|
| Pensacola Corry Station Facilities | \$15,000 | - | - | - |
| Total | \$15,000 | - | - | - |
| Discretionary - Appropriation | \$15,000 | - | - | - |

The Construction and Facilities Improvements PPA funds major CISA construction projects. No funding for such construction projects is requested in the FY 2021 President's Budget.

Construction and Facilities Improvements – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|-----------------|---------|---------|
| Enacted/Request | \$15,000 | - | - |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | - | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$15,000 | - | - |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$15,000 | - | - |
| Obligations (Actual/Estimates/Projections) | \$15,000 | - | - |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | - |
| Enacted/Request FTE | - | - | - |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | - |
| FTE (Actual/Estimates/Projections) | - | - | - |

Construction and Facilities Improvements – PPA

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|-----------|-----|----------|
| FY 2019 Enacted | - | - | \$15,000 |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | - | - | - |

Construction and Facilities Improvements – PPA**Non Pay Budget Exhibits****Non Pay by Object Class**

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|----------------------------|----------------------------|---------------------------------------|--------------------------------------|
| 32.0 Land and Structures | \$15,000 | - | - | - |
| Total - Non Pay Object Classes | \$15,000 | - | - | - |

Pensacola Corry Station Facilities – Investment

Capital Investments Exhibits

Construction

Pensacola Corry Station Facilities

Procurement, Construction, and Investments Funding

| Investment <i>(Dollars in Thousands)</i> | Unique Item Identifier | Acquisition Level | Procurement/ Construction | IT/Non-IT | MAOL | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|-------------------------------|--------------------------|----------------------------------|------------------|-------------|------------------------|------------------------|-----------------------------------|
| Pensacola Corry Station Facilities | N/A | Non-Major | Construction | Non-IT | No | \$15,000 | - | - |

Construction Description

CISA currently occupies space at Corry Station, Pensacola, FL which requires facility construction, expansion, and renovations in order to support CISA's growing cybersecurity workforce. The FY 2019 Enacted appropriation provided \$15M to renovate building 3782 located at Naval Air Station - Corry Station in Pensacola, FL. This project includes the design and construction for the remodel and expansion of the facility located at Corry Station, FL. The enlarged two story facility will have a total of approximately 83,144 GSF which includes 52,230 GSF existing building and a new addition of 30,914 GSF. The facility will have a unified design throughout and will support a collaborative office environment, shared common area spaces, computer labs and training rooms, multi-purpose rooms and controlled access areas.

Justification

The FY 2021 President's Budget does not include further funding for this project.

*Cybersecurity – PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------------|------------------------|---------------------------------------|---|
| Continuous Diagnostics and Mitigation | \$160,000 | \$213,514 | \$174,350 | (\$39,164) |
| National Cybersecurity Protection System | \$95,078 | \$165,838 | \$91,170 | (\$74,668) |
| Total | \$255,078 | \$379,352 | \$265,520 | (\$113,832) |
| Discretionary - Appropriation | \$255,078 | \$379,352 | \$265,520 | (\$113,832) |

PPA Level I Description

Cybersecurity provides the necessary tools and services to enhance the protection of all Federal civilian departments and agency (D/A) network infrastructure and provide a common baseline of security through the CDM and NCPS programs.

The PPA is comprised of the following investments:

Continuous Diagnostics and Mitigation (CDM): This investment enhances the overall security posture of Federal government networks by providing Federal agencies with the capability to identify cybersecurity risks and vulnerabilities, prioritize these risks and vulnerabilities based upon potential impacts, and mitigate the most significant problems first. This investment will significantly improve Federal civilian agency abilities to prepare for and respond to incident management, as well as protect data through stronger boundary protection and other means.

National Cybersecurity Protection System (NCPS): This investment provides resources for intrusion detection and prevention capabilities, advanced analytics, capabilities that combat and mitigate cyber threats to Federal enterprise information and networks and the infrastructure to support sharing cyber threat information and analytics with cyber centers and other Federal, State and local authorities. This investment will allow NCPS to continue to build on already deployed capabilities and expand access to DHS threat information and analysis.

Cybersecurity – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|------------------|------------------|------------------|
| Enacted/Request | \$255,078 | \$379,352 | \$265,520 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | \$266,878 | \$81,208 | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$521,956 | \$460,560 | \$265,520 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$521,956 | \$460,560 | \$265,520 |
| Obligations (Actual/Estimates/Projections) | \$440,748 | \$460,560 | \$236,513 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | - |
| Enacted/Request FTE | - | - | - |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | - |
| FTE (Actual/Estimates/Projections) | - | - | - |

Cybersecurity – PPA

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|-----------|-----|--------------------|
| FY 2019 Enacted | - | - | \$255,078 |
| FY 2020 Enacted | - | - | \$379,352 |
| FY 2021 Base Budget | - | - | - |
| Continuous Diagnostics and Mitigation (CDM) | - | - | \$174,350 |
| National Cybersecurity Protection System (NCPS) | - | - | \$91,170 |
| Total Investment Elements | - | - | \$265,520 |
| FY 2021 Request | - | - | \$265,520 |
| FY 2020 To FY 2021 Change | - | - | (\$113,832) |

Cybersecurity – PPA
Non Pay Budget Exhibits
Non Pay by Object Class

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|----------------------------|----------------------------|---------------------------------------|--------------------------------------|
| 25.1 Advisory and Assistance Services | \$88,730 | \$165,838 | \$91,170 | (\$74,668) |
| 25.3 Other Goods and Services from Federal Sources | \$160,000 | \$213,514 | \$174,350 | (\$39,164) |
| 31.0 Equipment | \$6,348 | - | - | - |
| Total - Non Pay Object Classes | \$255,078 | \$379,352 | \$265,520 | (\$113,832) |

Cybersecurity – PPA
Capital Investments Exhibits

Capital Investments

| Investment <i>(Dollars in Thousands)</i> | Unique Item Identifier | Acquisition Level | Procurement/ Construction | IT/Non-IT | MAOL | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|---|------------------------|-------------------|---------------------------|-----------|------|-----------------|-----------------|----------------------------|
| Continuous Diagnostics and Mitigation | 024-000009571 | 1 | Procurement | IT | Yes | \$160,000 | \$213,514 | \$174,350 |
| National Cybersecurity Protection System | 024-000009508 | 1 | Procurement | IT | Yes | \$95,078 | \$165,838 | \$91,170 |

Continuous Diagnostics and Mitigation – Investment

Capital Investments Exhibits

Procurement/Acquisition Programs

Continuous Diagnostics and Mitigation (CDM)

Procurement, Construction, and Investments Funding

| Investment <i>(Dollars in Thousands)</i> | Unique Item Identifier | Acquisition Level | Procurement/ Construction | IT/Non-IT | MAOL | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|-------------------------------|--------------------------|----------------------------------|------------------|-------------|------------------------|------------------------|-----------------------------------|
| Continuous Diagnostics and Mitigation | 024-000009571 | 1 | Procurement | IT | Yes | \$160,000 | \$213,514 | \$174,350 |

Investment Description

This investment provides resources to complete Asset Management gaps remaining in agencies following initial task orders, fund provision of CDM to agencies with newly signed Memoranda of Agreements, continue deployment and expansion of Network Security Management to strengthen and protect boundaries, enhance security operations, and design and build security into systems, and provide continued support and enhancement for the Federal dashboard and agency dashboard capabilities to deliver increased functionality to users.

The current threat environment requires a dynamic approach to fortifying Federal and other government cyber networks. With CDM, “.gov” systems are automatically assessed to identify cyber risks and flaws for priority resolution. The CDM program provides cybersecurity tools, integration services, and dashboards to all participating agencies to enable them to improve their respective security postures by reducing the attack surface of their networks. The mission of the CDM program is a fully-operational Federal dashboard, which will provide CISA with a completely integrated view of the “.gov” network, ensuring that when there is a cyber attack on one agency network, all other agencies will have full situational awareness. This situational awareness used to take DHS days to weeks to acquire, CDM shortens this timeframe to minutes.

Justification

The FY 2021 President’s Budget includes \$174.4M that will allow the CDM program to continue to enable agencies to strengthen their networks in the face of continued cyber threats across the entire civilian Federal domain. The CDM PC&I funding breakout is captured in the following table.

Cybersecurity – PPA

Continuous Diagnostics and Mitigation

| CDM Program: PC&I Funding (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|------------------|------------------|-------------------------------|
| Dashboard | \$25,754 | \$37,451 | \$11,474 |
| Asset Management | \$41,997 | \$46,354 | \$50,945 |
| Identity and Access Management | - | - | \$1,384 |
| Network Security Management | \$75,249 | \$43,542 | \$58,198 |
| Data Protection Management | \$17,000 | \$76,537 | \$29,007 |
| Development and Engineering | - | \$7,630 | \$23,342 |
| Federal Network Infrastructure Evolution and Modernization | - | \$2,000 | - |
| Total, CDM PC&I | \$160,000 | \$213,514 | \$174,350 |

Key funding initiatives include the following:

- **Dashboard:** The program provides CDM agency dashboards to participating agencies that provide near real-time awareness of their agency's cybersecurity posture. The CDM program also maintains a Federal dashboard, which receives summary data feeds from agency dashboards to provide increased visibility into the entire Federal cybersecurity posture. In FY 2021, CDM will utilize \$11.5M to continue integrating sensor data from prior completed stages to ensure dashboards accurately reflect latest CDM capabilities.
- **Asset Management:** The CDM capability provides network discovery and endpoint (laptops/desk tops/servers) management tools, allowing the agency to continuously know what software and hardware they have on their network and to understand whether or not those assets are vulnerable and are configured securely. Asset Management enables Departments and agencies to manage identified assets and properly configure them, so they are no longer open to attack. The FY 2021 President's Budget includes \$50.9M for the CDM program to continue accelerating Asset Management capabilities for cloud and mobile.
- **Identity and Access Management:** The FY 2021 President's Budget provides \$1.4M for this capability, which provides tools to ensure agency employees do not access information or systems beyond their established privileges, credentials, and training. Agencies are able to manage user accounts and protect against adversaries gaining access to critical systems.
- **Network Security Management:** This CDM capability deployment will continue in FY 2021 with \$58.2M in funding, focusing on boundary protection, managing events, preparing for events and incidents, and strengthening lifecycle security management. Network Security Management will provide capability to Federal civilian Departments and agencies against anomalous activity inside Federal networks and alerting security personnel for expedited remediation. In this case, anomalous activity includes an adversary's attempt to move across a network and access sensitive data.
- **Data Protection Management:** The CDM program will continue to develop the Data Protection Management capabilities to help agencies ensure that in the event of a system or network compromise, 1) an adversary can't move to other parts of the network or other systems, and 2) if

data is exfiltrated from the network, the attacker won't be able to access it due to encryption and other protections. The FY 2021 President's Budget includes \$29.0M for the CDM program to strengthen these capabilities, which are particularly relevant to High Value Asset (HVA) networks carrying agency data of importance.

- **Development and Engineering:** As part of CDMs annual Life Cycle Cost Estimate update, what was previously called Engineering Services was functionally realigned to an investment activity. Development and Engineering funds Federally-Funded Research and Development Centers (FFRDC) to provide knowledge, services, and expertise to solve technical problems, and assist with pilot program developments. The FFRDCs provide CISA with independent and objective advice and quick response on critical issues throughout the Homeland Security Enterprise. The FY 2021 President's Budget includes \$23.3M for this activity.
- **Federal Network Infrastructure Evolution and Modernization:** The need to provide a modernized IT infrastructure to serve the entire Federal Government has been highlighted in Executive Order 13800 and the subsequent Report to the President on IT Modernization. While individual Agencies have addressed specific cyber vulnerabilities, there is not a consistent, defensible enterprise architecture and set of services that protect the Federal .gov domain from advanced persistent threat actors. In FY 2021 CISA will continue to use initial funding provided in FY 2020 for architecture development, solution alternatives evaluation, and program planning activities.

In summary, the FY 2021 funding for CDM will support the program investment profile, providing resources to complete Asset Management acceleration for cloud and mobile; fund provision of CDM to agencies with newly signed Memoranda of Agreements; continue deployment and expansion of Network Security Management to strengthen and protect boundaries, enhance security operations, and design and build in security into systems; and provide continued support and enhancement for the Federal dashboard and agency dashboard capabilities to deliver increased functionality to users. This will significantly improve Federal civilian agency abilities to prepare for and respond to incident management, as well as protect data through stronger boundary protection and other means.

FY 2019 Planned Milestone Events

- Asset Management: Begin tool refresh for tools deployed in the original delivery and task orders.
- Identity and Access Management: Using the CDM DEFEND task order, integrate capabilities into the dashboard at agencies.
- Network Security Management: Support existing CDM DEFEND task orders to continue deploying capabilities.
- Data Protection Management: Begin pilot programs at selected agencies and refine plans for full deployment in future years.
- Dashboard: Transition to new contract for dashboard support; continued support to Federal and Agency dashboard operations; continued evolution of risk scoring algorithm. Provide enhanced dashboard visualization and analytic capabilities to agencies and Federal dashboard stakeholders.

FY 2020 Planned Key Milestone Events

- Asset Management: Complete deploying CDM Asset Management and Identity and Access Management to agencies that just signed CDM Memoranda of Agreements; continue tool refresh for Asset Management tools deployed in the original delivery and task orders.

- Network Security Management: Continue to deploy capabilities to strengthen and protect boundaries, enhance security operations and build security into information systems.
- Data Protection Management: Continue and expand pilot programs at selected agencies and begin full deployment across agencies.
- Dashboard: Continued support to Federal and Agency dashboard operations; continued evolution of risk scoring algorithm and application to agency operations. Work to streamline operations and improve utilization of scores to strengthen overall cybersecurity posture.

FY 2021 Planned Key Milestone Events

- Asset Management: Continue to accelerate cloud and mobile capabilities for Asset Management tools deployed in the original delivery and task orders.
- Network Security Management: Continue to deploy capabilities to strengthen and protect boundaries, enhance security operations and build security into information systems.
- Data Protection Management: Continue and expand pilot programs at selected agencies and begin full deployment across agencies.
- Dashboard: Continued support to Federal and Agency dashboard operations; continued evolution of risk scoring algorithm and application to agency operations. Work to streamline operations and improve utilization of scores to strengthen overall cybersecurity posture.

Overall Investment Funding

| <i>(Dollars in Thousands)</i> | Prior Years | FY 2019 | FY 2020 | FY 2021 |
|--|--------------------|----------------|----------------|----------------|
| Operations and Support | \$115,395 | \$105,936 | \$111,358 | \$107,384 |
| Procurement, Construction, and Improvements | \$40,661 | \$160,000 | \$213,514 | \$174,350 |
| Research and Development | - | - | - | - |
| Legacy Appropriations | \$1,078,538 | | | |
| Total Project Funding | \$1,234,594 | \$265,936 | \$324,872 | \$281,734 |
| Obligations | \$535,090 | \$198,418 | | |
| Expenditures | \$474,342 | \$18,776 | | |

Contract Information (Current/Execution Year, Budget Year)

| Contract Number | Contractor | Type | Award Date (mo/yr) | Start Date (mo/yr) | End Date (mo/yr) | EVM in Contract | Total Value (Dollars in Thousands) |
|-----------------|--------------------------|------------|--------------------|--------------------|------------------|-----------------|------------------------------------|
| 47QFCA18F0100 | BOOZ ALLEN HAMILTON INC. | Task Order | 08/2018 | 08/2018 | 04/2024 | No | \$1,036,582 |
| 47QFCA18F0076 | ManTech | Task Order | 09/2018 | 09/2018 | 04/2024 | No | \$668,612 |
| 47QFCA18F0025 | BOOZ ALLEN HAMILTON INC. | Task Order | 01/2018 | 01/2018 | 04/2024 | No | \$621,448 |
| 47QFCA18F0131 | CGI FEDERAL | Task Order | 06/2018 | 06/2018 | 04/2024 | No | \$530,445 |
| 47QFCA18F0050 | CACI INC FEDERAL | Task Order | 05/2018 | 05/2018 | 04/2024 | No | \$407,846 |

Significant Changes to Investment since Prior Year Enacted

N/A

Investment Schedule

| Description | Design Work | | Project Work | |
|--|-------------|-----------|--------------|------------|
| | Initiated | Completed | Initiated | Completed |
| | FY 2019 | | | |
| CISA - CDM - CMaaS Implementation TO2A (p) | | | FY 2017 Q3 | FY 2018 Q3 |
| CISA - CDM - CMaaS Implementation TO2B (p) | | | FY 2017 Q3 | FY 2018 Q3 |
| CISA - CDM - CMaaS Implementation TO2C (p) | | | FY 2017 Q4 | FY 2018 Q4 |
| CISA - CDM - CMaaS Implementation TO2D (p) | | | FY 2017 Q4 | FY 2018 Q4 |
| CISA - CDM - CMaaS Implementation TO2E (p) | | | FY 2017 Q4 | FY 2018 Q4 |
| CISA - CDM - CMaaS Implementation TO2F (p) | | | FY 2017 Q4 | FY 2018 Q4 |
| CISA - CDM - Dashboard (p) | | | FY 2017 Q2 | FY 2019 Q1 |
| CISA - CDM - TO PrivMgmt (p) | | | FY 2017 Q3 | FY 2018 Q3 |
| CISA CDM – TO CredMgmt | | | FY 2018 Q1 | FY 2019 Q1 |
| | FY 2020 | | | |
| CISA - CDM - CMaaS Implementation TO2A (p) | | | FY 2018 Q3 | FY 2019 Q3 |
| CISA - CDM - CMaaS Implementation TO2B (p) | | | FY 2018 Q3 | FY 2019 Q3 |
| CISA - CDM - CMaaS Implementation TO2C (p) | | | FY 2018 Q4 | FY 2019 Q4 |

Cybersecurity – PPA
Continuous Diagnostics and Mitigation

| Description | Design Work | | Project Work | |
|--|----------------|-----------|--------------|------------|
| | Initiated | Completed | Initiated | Completed |
| CISA - CDM - CMaaS Implementation TO2D (p) | | | FY 2018 Q4 | FY 2019 Q4 |
| CISA - CDM - CMaaS Implementation TO2E (p) | | | FY 2018 Q4 | FY 2019 Q4 |
| CISA - CDM - CMaaS Implementation TO2F (p) | | | FY 2018 Q4 | FY 2019 Q4 |
| CISA - CDM - Dashboard (p) | | | FY 2018 Q2 | FY 2020 Q1 |
| CISA - CDM - TO PrivMgmt (p) | | | FY 2018 Q3 | FY 2019 Q3 |
| CISA – CDM – TO CredMgmt | | | FY 2019 Q1 | FY 2020 Q1 |
| | FY 2021 | | | |
| CISA - CDM - CMaaS Implementation TO2A (p) | | | FY 2019 Q3 | FY 2020 Q3 |
| CISA - CDM - CMaaS Implementation TO2B (p) | | | FY 2019 Q3 | FY 2020 Q3 |
| CISA - CDM - CMaaS Implementation TO2C (p) | | | FY 2019 Q4 | FY 2020 Q4 |
| CISA - CDM - CMaaS Implementation TO2D (p) | | | FY 2019 Q4 | FY 2020 Q4 |
| CISA - CDM - CMaaS Implementation TO2E (p) | | | FY 2019 Q4 | FY 2020 Q4 |
| CISA - CDM - CMaaS Implementation TO2F (p) | | | FY 2019 Q4 | FY 2020 Q4 |
| CISA - CDM - Dashboard (p) | | | FY 2019 Q2 | FY 2021 Q1 |
| CISA - CDM - TO PrivMgmt (p) | | | FY 2019 Q3 | FY 2020 Q3 |
| CISA – CDM – TO CredMgmt | | | FY 2020 Q1 | FY 2021 Q1 |

National Cybersecurity Protection System – Investment

Capital Investments Exhibits

Procurement/Acquisition Programs

National Cybersecurity Protection System (NCPS)

Procurement, Construction, and Investments Funding

| Investment <i>(Dollars in Thousands)</i> | Unique Item Identifier | Acquisition Level | Procurement/ Construction | IT/Non-IT | MAOL | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|-------------------------------|--------------------------|----------------------------------|------------------|-------------|------------------------|------------------------|-----------------------------------|
| National Cybersecurity Protection System | 024-000009508 | 1 | Procurement | IT | Yes | \$95,078 | \$165,838 | \$91,170 |

Investment Description

The NCPS program provides a wide range of cybersecurity capabilities for Federal departments and agencies: intrusion detection, intrusion prevention, advanced cyber analytics, information sharing, and core infrastructure using classified and unclassified information.

In accordance with its statutory authorities, CISA works through the NCPS program to deploy capabilities that detect and prevent cybersecurity risks in network traffic transiting or traveling to or from agency information systems. It also continues the deployment of EINSTEIN capabilities to all participating Federal agencies to enhance detection of cyber vulnerabilities and protection from cyber threats.

NCPS is a foundational element in the suite of programs, systems, and processes deployed to protect the Federal cyberspace. NCPS capabilities include the EINSTEIN set of capabilities which support the deployment of intrusion detection/prevention, information sharing, and advanced analytic capabilities to enhance protection from cyber threats. The EINSTEIN capabilities under NCPS include EINSTEIN 1, which provides network traffic monitoring services, EINSTEIN 2 which provides intrusion detection services, and EINSTEIN 3 Accelerated (E3A), which provides intrusion prevention services.

Justification

The FY 2021 President's Budget includes \$91.2M for the NCPS program to provide an active intrusion prevention capability that conducts threat-based decision-making on network traffic entering or leaving the Federal Executive Branch civilian networks and disables attempted intrusions before harm is done. Additionally, the FY 2021 investment will build upon improvements begun in FY 2020 to enhance and modernize NCPS capabilities. For example, the NCPS program will continue to increase adoption of cloud services both for NCPS capabilities as well as expanding use of the cloud for the core infrastructure (backend data storage and processing environment). The investment in the NCPS program is the primary vehicle to fund the technology used to monitor the .gov" networks and enable CISA to conduct Threat Analysis, Intrusion Detection, and Intrusion

Response activities. NCPS investments are spread across five capability areas that allow CISA to execute this mission: Intrusion Detection, Intrusion Prevention, Analytics, Information Sharing, and Core Infrastructure. The NCPS PC&I funding breakout is captured in the following table.

| NCPS Program: PC&I Funding <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|------------------------|------------------------|-----------------------------------|
| Intrusion Detection | \$10,847 | \$11,064 | \$11,284 |
| Analytics | \$21,141 | \$21,564 | \$21,993 |
| Information Sharing | \$25,408 | \$21,223 | \$13,705 |
| Intrusion Prevention | \$19,466 | \$19,805 | \$11,355 |
| Development and Engineering | \$18,216 | \$32,182 | \$32,833 |
| Federal DNS Resolver | - | \$60,000 | - |
| Total, NCPS PC&I | \$95,078 | \$165,838 | \$91,170 |

Key funding initiatives include the following:

- Intrusion Detection:** NCPS' intrusion detection capabilities alert DHS to malicious or potentially harmful computer network activity. Using a passive, signature-based sensor grid, the system monitors network traffic for malicious activity traveling to-and-from .gov networks. Signatures are specific patterns of network traffic that may contain a virus, worm or other threat and are derived from numerous sources, such as a commercial or public computer security information, incidents reported to DHS, information from its partners, or in-depth analysis. This capability provides Federal Executive Branch civilian agencies with near real-time detection and notification capabilities. In FY 2021, NCPS will continue to expand on efforts for capturing security event information and network telemetry data with Department/Agency cloud providers. NCPS will also continue activities that begin in FY 2020 to increase the use of commercial and .gov cloud services to the greatest extent possible, which will reduce infrastructure investment costs at DHS data centers in the outyears. FY 2021 funding of \$11.3M will help to avoid the degradation of the EINSTEIN 1 and EINSTEIN 2 sensor networks that act as the cornerstone of CISA's ability to monitor and detect malicious traffic on .gov networks. Additionally, it will protect CISA's ability to respond to confirmed intrusions and incidents. CISA cyber analysts will enhance their ability to analyze agency traffic and be able to confirm if malicious activity has occurred at a given agency's network.
- Analytics:** Analysts compile and analyze information about current and potential cybersecurity threats and vulnerabilities. This information is shared with DHS's public and private sector partners, and the public. NCPS' analytics capabilities include a range of technologies, including Security and Event Management, Packet Capture, Enhanced Analytical Database and Flow Visualization, and Advanced Malware Analysis. In FY 2021, NCPS will continue to enhance the redesigned Advanced Malware Analysis Center (AMAC) to improve the ability for CISA cyber analysts to receive, perform analysis, share information, and reverse engineer malware samples that are retrieved during incident response activities and malware samples that are received from public and private-sector partners. Data scientists will continue working with CISA cyber analysts to develop and tune analytics and improve the ability for the capability to detect evolving models of malicious traffic with behavioral characteristics, and generate alerts with elevated confidence scores on potential intrusions. FY 2021 funding of \$22.0M will protect CISA's ability to analyze information from the EINSTEIN sensor network, as well as process information that is received through any number of sources

to include commercial threat feeds, indicators received via Automated Indicator Sharing (AIS), Malware submission for analysis, Incident Response Teams, Industrial Control Systems, and the public sector at-large. The Analytics environment is the cornerstone of all CISA cyber operations and this essential funding augments their ability to carry out their mission essential functions.

- **Information Sharing:** CISA shares this analysis, along with additional computer network security information, with its public and private sector partners rapidly and in a secure environment. NCPS' information is also shared through commercial data feeds, internally generated analytic products, analytics tools, threat indicators and warnings, and real-time incident and continuous monitoring data. These services provide a common operating picture of the threat landscape. In FY 2021, NCPS will adopt a Cross Domain Solution service to support the efficient processing of classified indicator information. NCPS will expand on the adoption of the Cross Domain Solution service to support the transfer of data from unclassified to classified networks. NCPS will also continue with the development of the unified workflow capability that will provide a single platform for automating the workflows across independent CISA business and mission support applications into a single infrastructure. The FY 2021 funding of \$13.7M will allow CISA to share the cyber threat analysis, along with additional computer network security information with its public and private sector partners rapidly and in a secure environment. It also provides the ability for CISA cyber analysts to connect with and communicate with all cybersecurity partners to include Federal Executive Branch Departments and Agencies, the Department of Defense, the U.S. Intelligence Community, over a dozen private sector Information Sharing Analysis Centers (ISACs), critical infrastructure sectors, foreign partners, and State, local, tribal, and territorial (SLTT) governmental organizations. Failure to quickly and accurately share threat intelligence and cybersecurity best practices and tactics, techniques, and procedures would not only harm the .gov domain, but the cybersecurity posture of all network owners and cybersecurity operations centers around the world.
- **Intrusion Prevention:** NCPS's prevention capabilities automatically detect and respond to cyber threats in near real-time. Deployed by Internet Service Providers who serve the Federal Government, the system leverages classified and unclassified indicators to actively block known malicious traffic. It identifies and characterizes malicious network traffic to enhance cybersecurity analysis, situational awareness, and security response, providing for active network defense and the ability to prevent and limit malicious activities from penetrating Federal networks and systems. FY 2021 funding of \$11.4M will prevent the degradation of the EINSTEIN 3 Accelerated service that is the sole .gov enterprise capability operated by CISA with the ability to prevent and limit malicious activities from penetrating Federal networks and systems. This service monitors and provides a significant defensive layer to protect .gov email and DNS from being utilized to infiltrate and then exfiltrate data from .gov networks.
- **Development and Engineering:** FY 2021 funding of \$32.8M will provide engineering support essential to requirements gathering, engineering solutions, capability testing, and performance assessments for the NCPS program. Development and Engineering funds FFRDCs to provide knowledge, services, and expertise to solve technical problems, and assist with pilot program developments. The FFRDCs provide CISA with independent and objective advice and quick response on critical issues throughout the Homeland Security Enterprise
- **DNS Resolver:** In FY 2020 CISA received funding to develop and deploy a centralized Domain Name System (DNS) resolver service for the Federal Civilian Executive Branch. Work will continue in FY 2021 to on-board agencies to the protective DNS resolver service so that domains can be blocked based on government and commercial threat intelligence feeds, as well as dynamic rules.

FY 2019 Key Milestone Events

- Intrusion Detection/Prevention:
 - Operationalize non-signature based capabilities to enhance cybersecurity protection of Federal departments and agencies.
 - Continue pilot activities with Cloud Service Providers to provide CISA cyber analysts with access to their security services and data to enhance protection of D/A assets.
 - Implement E1 enhancements to provide CISA cyber analysts with a more robust data set to improve intrusion detection and response. Expand the locations of signature testing sensors to enhance the efficiency of signatures.
 - Implement IPSS enhancements including compound indicators, improved indicator handling procedures, and improved E3A alert formatting and reporting.
- Analytics:
 - Conduct analysis and design of a solution to redesign the AMAC to refresh the technology, improve reliability, and improve scalability.
 - Enhance Analytic Framework capability to provide CISA cyber analysts with enhanced ability to query and analyze data from across NCPS datasets and further automate cyber threat analysis.
- Information Sharing:
 - Initial delivery of a CISA case management capability that will provide a single platform to allow CISA to collapse many of the business and mission support applications into a single infrastructure and improve the tracking, coordination, and reporting activities for CISA cyber analysts.
 - Implement enhancements to AIS infrastructure to leverage commercial cloud capabilities and microservices that will more easily scale to support expected increases in users and data and that will provide high availability.
 - Continue enhancements to the Indicator Management Platform to support the AIS data flow and to improve on the analysis and enrichment of indicator data and to support the AIS data flow.

FY 2020 Planned Key Milestone Events

- Intrusion Detection/Prevention:
 - Continue to evolve and mature non-signature based capabilities to enhance cybersecurity protection of “.gov” agencies.
 - Continue expanding pilot activities with Cloud Service Providers to provide CISA cyber analysts with access to their security services and data to enhance protection of D/A assets.
 - Continue upgrades to the EINSTEIN sensor suite to improve performance, reliability, and capacity and account for the evolving locations of “.gov” traffic and data such as cloud & mobile, etc.
 - Implement additional enhancements to the E1 infrastructure to support the scalability and availability of the enhanced E1 data set and improve intrusion detection and response.
 - Leverage EIS contract vehicle for Intrusion Prevention Security Services (IPSS). Continue implementing additional enhancements to IPSS to improve indicator handling procedures and E3A alert formatting and reporting.
 - Capture requirements, develop a solicitation and award an enterprise DNS name resolution service that provides enterprise DNS management and a rich set of analytics that sit on top of traditional DNS services.

- Analytics:
 - Continue enhancements to the Analytic Framework capability to provide CISA cyber analysts with ability to query and analyze data from across NCPS datasets.
 - Continue enhancements to analytic tools and processes to further automate cyber threat analysis.
 - Develop and deploy the redesigned AMAC capability to refresh the technology, improve reliability, and improve scalability.
 - Increase utilization of commercial cloud capabilities for NCPS analytic capabilities to improve the scalability, availability, and reliability of the infrastructure, tools, and capabilities that CISA needs to meet mission needs.
- Information Sharing:
 - Continue enhancements to the information sharing infrastructure to improve the efficiency, reliability, and speed of sharing information with the cyber community.
 - Upon release of the new STIX/TAXII 2.1 standards from the OASIS international standards body, NCPS will implement updates to the Automated Indicator Sharing capability to support the new standards and improve the ability for CISA cyber analysts to analyze, correlate, and enrich data received and shared with all cybersecurity information sharing partners..
 - Adopt a Cross Domain Solution service to improve the efficiency of processing classified indicator information.
 - Continued enhancements to the Unified Workflow capability that provides a single platform for automating the workflows across independent CSD business and mission support applications and unifies them into a consolidated view that improves the tracking, coordination, and reporting activities for the CSD.

FY 2021 Planned Key Milestone Events

- Intrusion Detection/Prevention:
 - NCPS will continue to expand on efforts for capturing security event information and network telemetry data with Department/Agency cloud providers.
 - Increase utilization of commercial cloud capabilities for NCPS capabilities to improve the scalability, availability, and reliability of the infrastructure, tools, and capabilities that CISA needs to meet mission needs.
 - Complete the migration of the current Intrusion Prevention Security Services (IPSS) services to the GSA EIS contract vehicle awarded in FY20.
- Analytics:
 - Continue to enhance the redesigned AMAC to improve the ability for CISA cyber analysts to receive, perform analysis, share information, and reverse engineer malware samples that are retrieved during incident response activities and malware samples that are received from public and private-sector partners.
 - Enhance the Analytic Framework capability to provide CISA cyber analysts with ability to query and analyze data from across NCPS datasets.
 - Continue enhancements to analytic tools and processes to further automate cyber threat analysis.
 - Increase utilization of commercial cloud capabilities for NCPS analytic capabilities to improve the scalability, availability, and reliability of the infrastructure, tools, and capabilities that CISA needs to meet mission needs.

- Information Sharing:
 - Continued enhancements and implementing additional workflows in the unified workflow capability. The unified workflow capability provides a single platform for automating the workflows across independent CSD business and mission support applications and unifies them into a consolidated view that improves the tracking, coordination, and reporting activities for CSD.
 - Increase utilization of commercial cloud capabilities for NCPS information sharing capabilities to improve the scalability, availability, and reliability of the infrastructure, tools, and capabilities that CISA needs to meet mission needs.
 - Expand on the adoption of the Cross Domain Solution service to support the transfer of data from the low-side to the high-side networks.

Overall Investment Funding

| <i>(Dollars in Thousands)</i> | Prior Years | FY 2019 | FY 2020 | FY 2021 |
|---|-------------|-----------|-----------|-----------|
| Operations and Support | | \$297,262 | \$300,164 | \$278,924 |
| Procurement, Construction, and Improvements | \$104,890 | \$95,078 | \$165,838 | \$91,170 |
| Research and Development | - | - | - | - |
| Legacy Appropriations | \$3,114,233 | | | |
| Total Project Funding | \$3,219,123 | \$392,340 | \$466,002 | \$370,094 |
| Obligations | \$3,092,571 | \$281,015 | | |
| Expenditures | \$2,857,485 | \$85,821 | | |

Contract Information (Current/Execution Year, Budget Year)

| Contract Number | Contractor | Type | Award Date (mo/yr) | Start Date (mo/yr) | End Date (mo/yr) | EVM in Contract | Total Value (Dollars in Thousands) |
|-------------------|--------------|-----------------------|-----------------------|-----------------------|---------------------|--------------------|--|
| 70QS0118F00001402 | Raytheon TO2 | Task order | 12/07/2017 | 12/08/2017 | 12/07/2022 | No | \$236,300 |
| HSSA0117J1621 | Raytheon TO3 | Task order | 06/09/2017 | 06/09/2017 | 06/08/2022 | No | \$387,829 |
| 70QS0119F00001416 | Raytheon TO4 | Task order | 02/26/2019 | 02/26/2019 | 12/07/2022 | No | \$351,906 |
| 70QS0119F00001415 | BAE | Task Order | 02/28/2019 | 03/01/2019 | 03/31/2024 | No | \$208,503 |
| HSSA01-16-X-2203 | Sandia | Interagency Agreement | 08/04/2016 | 08/04/2016 | 08/03/2020 | No | \$96,844 |

Significant Changes to Investment since Prior Year Enacted

N/A

Investment Schedule

| Description | Design Work | | Project Work | |
|--|-------------|-----------|--------------|------------|
| | Initiated | Completed | Initiated | Completed |
| | FY 2019 | | | |
| CISA – NCPS – Intrusion Prevention ADE-3 | | | FY2017 Q3 | FY2018 Q2 |
| CISA – NCPS – IPSS Enhancements | | | FY2018 Q1 | FY2018 Q4 |
| CISA – NCPS – Analytics – Analytic Tool Enhancements | | | FY2018 Q1 | FY2018 Q4 |
| CISA – NCPS – Info Sharing – ADE-2C | | | FY2017 Q3 | FY2018 Q2 |
| CISA – NCPS – Info Sharing – HSIN Collaboration Adoption | | | FY 2018 Q1 | FY2018 Q3 |
| CISA – NCPS – Info Sharing – Indicator Management Platform | FY2017 Q2 | FY2017 Q4 | FY2018 Q1 | FY2018 Q2 |
| CISA - NCPS - NCPS Maintenance | | | FY 2018 Q1 | FY 2024 Q4 |
| | FY 2020 | | | |
| CISA – NCPS – Intrusion Detection – E1 Enhancements | | | FY2018 Q4 | FY2019 Q2 |
| CISA – NCPS – Intrusion Detection – Advanced detection capability operationalization | | | FY 2018 Q2 | FY2019 Q1 |
| CISA – NCPS – Intrusion Detection – Initial Cloud Pilots | | | FY2018 Q2 | FY2019 Q4 |
| CISA – NCPS – IPSS Enhancements | | | FY2019 Q1 | FY2019 Q4 |
| CISA – NCPS – Analytics – Analytic Toolset Enhancements | | | FY2019 Q1 | FY2019 Q4 |
| CISA – NCPS – Info Sharing – Unified Workflow (initial) | FY2018 Q2 | FY2018 Q4 | FY2019 Q1 | FY2019 Q4 |
| CISA – NCPS – Info Sharing – Cross Domain Solution (initial) | FY2018 Q3 | FY2019 Q2 | FY2019 Q2 | FY2019 Q4 |
| CISA – NCPS – Info Sharing – Indicator Management Enhancements | | | FY2018 Q3 | FY2019 Q4 |
| CISA - NCPS - NCPS Maintenance | | | FY 2019 Q1 | FY 2024 Q4 |
| | FY 2021 | | | |
| CISA – NCPS – Intrusion Detection – Advanced detection Enhancements | | | FY2019 Q2 | FY2020 Q4 |
| CISA – NCPS – Intrusion Detection – Cloud Enhancements | | | FY2020 Q1 | FY2020 Q4 |
| CISA – NCPS – Intrusion Prevention – GSA EIS Transition | | | FY2019 Q4 | FY2020 Q4 |
| CISA – NCPS – DNS Service Requirements/Solicitation | FY2020 Q1 | FY2020 Q4 | FY2021 Q4 | |
| CISA – NCPS – Analytics – Analytic Enhancements | | | FY2020 Q1 | FY2020 Q4 |

| Description | Design Work | | Project Work | |
|---|-------------|-----------|--------------|------------|
| | Initiated | Completed | Initiated | Completed |
| CISA – NCPS – Info Sharing – Unified Workflow Enhancements | | | FY2020 Q1 | FY2020 Q4 |
| CISA – NCPS – Info Sharing – Cross Domain Solution Enhancements | | | FY2020 Q1 | FY2020 Q4 |
| CISA – NCPS – Info Sharing – AIS Infrastructure Enhancement | | | FY2019 Q1 | FY2020 Q3 |
| CISA - NCPS - NCPS Maintenance | | | FY 2020 Q1 | FY 2024 Q4 |

*Emergency Communications – PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------------|------------------------|---------------------------------------|---|
| Next Generation Networks Priority Services | \$42,551 | \$50,729 | \$41,158 | (\$9,571) |
| Total | \$42,551 | \$50,729 | \$41,158 | (\$9,571) |
| Discretionary - Appropriation | \$42,551 | \$50,729 | \$41,158 | (\$9,571) |

PPA Level I Description

The Emergency Communications PPA supports and promotes communications used by emergency responders and government officials to keep America safe, secure, and resilient.

Next Generation Networks Priority Services: The Next Generation Networks Priority Services (NGN-PS) program updates priority calling services for Federal, State, local, tribal, and territorial government users from a legacy commercial network to a commercial IP platform. NGN-PS ensures there is no gap in service to critical voice communications used to support continuity of operations and disaster response.

Emergency Communications – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|-----------------|-----------------|-----------------|
| Enacted/Request | \$42,551 | \$50,729 | \$41,158 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | \$11,332 | \$7,939 | \$5,000 |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$53,883 | \$58,668 | \$46,158 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$53,883 | \$58,668 | \$46,158 |
| Obligations (Actual/Estimates/Projections) | \$45,944 | \$53,668 | \$46,158 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | - |
| Enacted/Request FTE | - | - | - |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | - |
| FTE (Actual/Estimates/Projections) | - | - | - |

Emergency Communications – PPA

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|-----------|-----|------------------|
| FY 2019 Enacted | - | - | \$42,551 |
| FY 2020 Enacted | - | - | \$50,729 |
| FY 2021 Base Budget | - | - | - |
| Next Generation Networks Priority Services (NGN-PS) | - | - | \$41,158 |
| Total Investment Elements | - | - | \$41,158 |
| FY 2021 Request | - | - | \$41,158 |
| FY 2020 To FY 2021 Change | - | - | (\$9,571) |

Emergency Communications – PPA**Non Pay Budget Exhibits****Non Pay by Object Class**

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|----------------------------|----------------------------|---------------------------------------|--------------------------------------|
| 22.0 Transportation of Things | \$13 | - | - | - |
| 23.1 Rental Payments to GSA | \$880 | - | - | - |
| 23.2 Rental Payments to Others | \$985 | - | - | - |
| 25.1 Advisory and Assistance Services | \$9,869 | \$15,218 | \$5,647 | (\$9,571) |
| 25.2 Other Services from Non-Federal Sources | \$26 | - | - | - |
| 25.3 Other Goods and Services from Federal Sources | \$28,231 | \$35,511 | \$35,511 | - |
| 25.4 Operation and Maintenance of Facilities | \$62 | - | - | - |
| 25.7 Operation and Maintenance of Equipment | \$2,453 | - | - | - |
| 26.0 Supplies and Materials | \$32 | - | - | - |
| Total - Non Pay Object Classes | \$42,551 | \$50,729 | \$41,158 | (\$9,571) |

Emergency Communications – PPA
Capital Investments Exhibits

Capital Investments

| Investment <i>(Dollars in Thousands)</i> | Unique Item Identifier | Acquisition Level | Procurement/ Construction | IT/Non-IT | MAOL | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|-------------------------------|--------------------------|----------------------------------|------------------|-------------|------------------------|------------------------|-----------------------------------|
| Next Generation Networks Priority Services | 024-000009540 | 2 | Procurement | IT | Yes | \$42,551 | \$50,729 | \$41,158 |

Next Generation Network Priority Services – Investment

Capital Investments Exhibits

Procurement/Acquisition Programs

Next Generation Network – Priority Services (NGN-PS)

Procurement, Construction, and Investments Funding

| Investment <i>(Dollars in Thousands)</i> | Unique Item Identifier | Acquisition Level | Procurement/ Construction | IT/Non-IT | MAOL | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|-------------------------------|--------------------------|----------------------------------|------------------|-------------|------------------------|------------------------|-----------------------------------|
| Next Generation Networks Priority Services | 024-000009540 | 2 | Procurement | IT | Yes | \$42,551 | \$50,729 | \$41,158 |

Investment Description

The NGN-PS program responds to Presidential Policy Directive (PPD) 40, National Continuity Program and Executive Order (EO) 13618, Assignment of National Security and Emergency Preparedness Communications Functions, which directs the Secretary of DHS to oversee the development, testing, implementation, and sustainment of National Security/Emergency Preparedness (NS/EP) communications, including: communications that support Continuity of Government; Federal, and State, local, territorial, and tribal emergency preparedness, response, and recovery communications.

NGN-PS addresses a capabilities gap created as the Service Providers replace aging networks with Internet Protocol (IP) based next generation networks. The legacy Priority Telecommunication Services (PTS) program provides priority access for NS/EP users on commercial telecommunications networks, however, this capability will be lost as aging networks are replaced. These IP-based next generation networks will not support the legacy PTS routing protocols leaving an operational gap for priority access. NGN-PS addresses this capability gap by offering highly survivable, commercial telecomm assets to provide the Government with priority communications capabilities over nationwide networks at a fraction of the cost required to build a Government-owned system.

NGN-PS is a multi-phase, multi-increment, technology insertion that will ultimately deliver priority voice and data communication services. Phase 1 (voice), Increment 1 addresses the transition of legacy, priority voice capabilities in the commercial carriers' long distance core networks. Phase 1, Increment 2 works with major commercial telecommunications wireless carriers as they transition from 2G/3G networks to IP-based infrastructures (4G/LTE networks) as required for Wireless Priority Service (WPS). Phase 1, Increment 3 is required for Government Emergency Telecommunications Service (GETS) and Special Routing Arrangement Service (SRAS) to work at the local exchange carrier (LEC) for priority Voice over Internet Protocol (VoIP)/wireline calls. Phase 2 will provide priority for data and video over IP wireless networks.

Justification

The FY 2021 President’s Budget includes \$41.2M for NGN-PS to ensure the continuity of priority telecommunications to support NS/EP users’ critical communications requirements during an emergency via commercial networks. As major commercial telecommunications carriers replace their current circuit-switched infrastructure with IP-based infrastructure, NGN-PS upgrades will ensure new network infrastructures are capable to accommodate the more than 500,000 authorized users with the ability to communicate during crises. When deployed, NGN-PS technologies will provide all levels of government with priority communications capabilities over robust and diverse nationwide commercial communications networks at a fraction of the cost required to build and maintain a government-owned system.

NGN-PS funding breakout is captured in the table below.

| NGN-PS Program: PC&I Funding <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President’s Budget |
|--|------------------------|------------------------|-----------------------------------|
| Phase 1, Increment 1 – Core Networks | - | - | - |
| Phase 1, Increment 2 – Wireless Networks | \$32,297 | \$9,965 | \$2,053 |
| Phase 1, Increment 3 – Wireline Access | \$7,915 | \$38,425 | \$36,705 |
| Operational Test Authority (OTA) Support | \$2,339 | \$2,339 | \$2,400 |
| Total, NGN-PS PC&I | \$42,551 | \$50,729 | \$41,158 |

The FY 2021 funding will continue to support NGN-PS and result in new end-to-end priority service capabilities. NGN-PS has been working with cellular carriers since FY 2015 to implement priority services for national security and emergency preparedness users as commercial carriers transitioned to 4G/LTE networks. The additional resources will progress Phase 1, Increment 2 – wireless access towards Full Operating Capability (FOC) with three Carriers, as these Carriers march to completing WPS VoLTE deployment on their 4G/LTE networks. The major portion of FY2021 funding is allocated to the continued carrier design, development, deployment and certification of Phase 1, Increment 3 – wireline priority access. Wireline priority access provides for GETS VoIP to replace GETS as LECs decommission their circuit-based networks that GETS resides on. NGN PS Phase 1, Increments 2 and 3 prevent a NS/EP telecommunications shortfall as the carriers upgrade their technology to IP-based networks. Specifically, these investments will continue to provide for critical telecommunications to support disaster response and recovery efforts as the government replaces GETS and WPS with GETS VoIP and WPS VoLTE to keep pace with carriers transitioning from circuit to IP-based networks.

It is critical that NGN-PS is fielded as carriers convert to IP networks to ensure priority services are always available for NS/EP users. Without the required funding, the program will not have priority access services on commercial networks and thus will not meet the NS/EP telecommunications requirements.

FY 2019 Key Milestone Events

- Completed FOC for Phase 1, Increment 1-core network priority, including all acquisition and SELC reviews.
- Worked through Service Provider Council with vendors and service providers to prioritize capabilities, and evaluate and define security features.
- Achieved technical Initial Operating Capability (IOC) on four Wireless Priority Service (WPS) service providers for Phase 1, Increment 2-WPS VoLTE.
- Began Phase 1, Increment 3 wireline priority access wireline after an ADE 2B approval in FY 2018.
- Completed initial contracting for Phase 1, Increment 3.
- Completed an approved AA Final Report and ROM cost estimate for Phase 2-data and video priority.

FY 2020 Planned Key Milestone Events

- Continue obtain phase activities for Phase 1, Increment 2-WPS VoLTE, including development, test and evaluation, and SELC reviews.
- Compete interoperability project between Wireless Priority Service and FirstNet's Nationwide Public Safety Broadband Network.
- Continue obtain phase activities for Phase 1, Increment 3- GETS VoIP LEC, including development, test and evaluation, and SELC reviews.
- Continue planning phase activities and documentation towards an ADE 2A for Phase 2-data and video priority.

FY 2021 Planned Key Milestone Events

- Continue obtain phase activities for Phase 1, Increment 2-WPS VoLTE, including development, test and evaluation, and SELC reviews.
- Continue obtain phase activities for Phase I, Increment 3 – GETS LEC VoIP, including development, test and evaluation, and SELC reviews.
- Acquire Acquisition Review Board authority and achieve an ADE 2A decision for Phase 2-data and video priority.

Overall Investment Funding

| <i>(Dollars in Thousands)</i> | Prior Years | FY 2019 | FY 2020 | FY 2021 |
|--|--------------------|----------------|----------------|----------------|
| Operations and Support | \$15,101 | \$7,656 | \$8,394 | \$5,661 |
| Procurement, Construction, and Improvements | \$136,960 | \$42,551 | \$50,729 | \$41,158 |
| Research and Development | - | - | - | - |
| Legacy Appropriations | \$299,808 | | | |
| Total Project Funding | \$451,869 | \$50,207 | \$59,123 | \$46,819 |
| Obligations | \$189,676 | \$50,207 | | |
| Expenditures | \$152,184 | \$50,207 | | |

Contract Information (Current/Execution Year, Budget Year)

| Contract Number | Contractor | Type | Award Date (mo/yr) | Start Date (mo/yr) | End Date (mo/yr) | EVM in Contract | Total Value (Dollars in Thousands) |
|------------------------|-------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|------------------------|---|
| HC101314C0003 | AT&T | Firm Fixed Price | 08/2014 | 07/2014 | 03/2024 | N/A | \$210,870 |
| HC101314C0001 | Sprint | Firm Fixed Price | 03/2014 | 03/2014 | 03/2024 | N/A | \$161,130 |
| HC101314C0002 | Verizon | Firm Fixed Price | 05/2014 | 05/2014 | 03/2024 | N/A | \$ 210,472 |
| HSHQDC15C00059 | Leidos | Combination (two or more) | 03/2017 | 03/2018 | 03/2022 | N/A | \$33,751 |
| 70RCSA19C00000001 | CSRA | Cost Plus Award Fee | 08/2019 | 08/2019 | 08/2024 | No | \$325,388 |

Significant Changes to Investment since Prior Year Enacted

Begin Phase 1, Increment 3/LEC wireline priority access development and deployment. Phase 1, Increment 1 (CORE Access) achieved Acquisition Decision Event (ADE) 3 and FOC on October 29, 2018.

Investment Schedule

| Description | Design Work | | Project Work | |
|---------------------|-------------|------------|--------------|------------|
| | Initiated | Completed | Initiated | Completed |
| | FY 2019 | | | |
| Common | FY 2007 Q1 | FY 2024 Q4 | FY 2013 Q4 | FY 2024 Q4 |
| Phase 1 Increment 1 | FY 2008 Q3 | FY 2020 Q4 | FY 2017 Q4 | FY 2024 Q4 |
| Phase 1 Increment 2 | FY 2016 Q1 | FY 2024 Q4 | FY 2017 Q4 | FY 2024 Q4 |
| Service Provider 1 | FY 2014 Q3 | FY 2024 Q4 | FY 2018 Q3 | FY 2022 Q4 |
| Service Provider 2 | FY 2014 Q3 | FY 2024 Q4 | FY 2019 Q1 | FY 2024 Q4 |
| Service Provider 3 | FY 2014 Q4 | FY 2024 Q4 | FY 2017 Q4 | FY 2019 Q4 |
| | FY 2020 | | | |
| Common | FY 2007 Q1 | FY 2024 Q4 | FY 2013 Q4 | FY 2024 Q4 |
| Phase 1 Increment 1 | FY 2008 Q3 | FY 2020 Q4 | FY 2017 Q4 | FY 2024 Q4 |
| Phase 1 Increment 2 | FY 2016 Q1 | FY 2024 Q4 | FY 2017 Q4 | FY 2024 Q4 |
| Phase 1 Increment 3 | | | | |
| Service Provider 1 | FY2018 Q3 | FY 2024 Q4 | FY 2018 Q3 | FY 2022 Q4 |
| Service Provider 2 | FY2019 Q1 | FY 2024 Q4 | FY 2019 Q1 | FY 2024 Q4 |
| Service Provider 3 | FY2019 Q4 | FY 2024 Q4 | FY 2019 Q4 | FY 2026 Q1 |
| | FY 2021 | | | |
| Common | FY 2007 Q1 | FY 2024 Q4 | FY 2013 Q4 | FY 2024 Q4 |
| Phase 1 Increment 1 | FY 2008 Q3 | FY 2014 Q2 | FY 2017 Q4 | FY 2019 Q1 |
| Phase 1 Increment 2 | FY 2016 Q1 | FY 2024 Q4 | FY 2017 Q4 | FY 2023 Q1 |
| Phase 1 Increment 3 | | | | |
| Service Provider 1 | FY2018 Q3 | FY 2019 Q4 | FY2018 Q3 | FY 2022 Q4 |
| Service Provider 2 | FY2019 Q1 | FY 2022 Q2 | FY2019 Q1 | FY 2024 Q1 |
| Service Provider 3 | FY2019 Q4 | FY 2024 Q4 | FY2019 Q4 | FY 2026 Q1 |

Risk Management Assets and Infrastructure – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------------|------------------------|---------------------------------------|---|
| Modeling Capability Transition Environment | \$413 | - | - | - |
| Total | \$413 | - | - | - |
| Discretionary - Appropriation | \$413 | - | - | - |

PPA Level I Description

The Risk Management Operations PPA funds the Modeling Capability Transition Environment program.

Modeling Capability Transition Environment: The Modeling Capability Transition Environment (MCTE) program is an IT environment that analysts can integrate, refine, and utilize to run analytical models, run simulations, and perform geospatial and calculated analyses in a risk analytics workflow system, allowing analysts to systematically integrate risk analytical models to create an automated workflow system for infrastructure modeling. It will also allow for the deployment of an automated workflow system in an environment that NRMC performers can access and run their own risk analysis within an automated workflow system. This capability will allow NRMC to perform a wide variety of risk analysis while providing a single integrated environment, reduced analytical time frames, and providing more accurate model results.

Risk Management Assets and Infrastructure – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|--------------|---------|---------|
| Enacted/Request | \$413 | - | - |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | - | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$413 | - | - |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$413 | - | - |
| Obligations (Actual/Estimates/Projections) | \$413 | - | - |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | - |
| Enacted/Request FTE | - | - | - |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | - |
| FTE (Actual/Estimates/Projections) | - | - | - |

Risk Management Assets and Infrastructure – PPA
Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|------------|---------------|
| FY 2019 Enacted | - | - | \$413 |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | - | - | - |

Risk Management Assets and Infrastructure – PPA**Non Pay Budget Exhibits****Non Pay by Object Class**

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|----------------------------|----------------------------|---------------------------------------|--------------------------------------|
| 25.2 Other Services from Non-Federal Sources | \$413 | - | - | - |
| Total - Non Pay Object Classes | \$413 | - | - | - |

Risk Management Assets and Infrastructure – PPA**Capital Investments Exhibits****Capital Investments**

| Investment <i>(Dollars in Thousands)</i> | Unique Item Identifier | Acquisition Level | Procurement/ Construction | IT/Non-IT | MAOL | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|-------------------------------|--------------------------|----------------------------------|------------------|-------------|------------------------|------------------------|-----------------------------------|
| Modeling Capability Transition Environment | 024-000009587 | 3 | Procurement | IT | Yes | \$413 | - | - |

Modeling Capability Transition Environment (MCTE) – Investment

Capital Investments Exhibits

Procurement/Acquisition Programs

Modeling Capability Transition Environment (MCTE)

Procurement, Construction, and Investments Funding

| Investment <i>(Dollars in Thousands)</i> | Unique Item Identifier | Acquisition Level | Procurement/ Construction | IT/Non-IT | MAOL | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|-------------------------------|--------------------------|----------------------------------|------------------|-------------|------------------------|------------------------|-----------------------------------|
| Modeling Capability Transition Environment | 024-000009587 | 3 | Procurement | IT | Yes | \$413 | - | - |

Investment Description

MCTE will be an environment where risk analytical models can be fully integrated to create an automated enterprise workflow system for infrastructure modeling in support of the protection of critical infrastructure. This standalone environment will provide the ability for analysts to access and run their own risk analyses within the automated enterprise workflow system. By implementing the MCTE, the NRMC will enhance its analytic capabilities to inform decisions made by DHS, public and private sector partners and other stakeholders to improve the security and resilience of infrastructure and understand their interdependencies. This capability will allow the NRMC to perform a wide variety of risk analysis such as: estimate the population affected by power outages during a hurricane; estimate the recovery time from power outages per region; estimate the economic impact of region during a flood; estimate the disruption to the national transportation system during a national event. The MCTE will provide NRMC analysts access to integrated NRMC analytical models and the MCTE will provide an automated workflow system that integrates infrastructure modeling and an accessible computing environment for risk analysts to run their own risk analysis within the automated enterprise workflow system.

The NRMC requires greater access for risk analysts to leverage analytical models, thereby reducing the reliance on higher cost, national laboratory subject matter experts to run models. The NRMC will be able to reduce analytical timeframes, producing more timely information for decision makers. With this mission, the NRMC needs an analytic environment that can be accessed by analysts within the NRMC, specific national labs, and other authorized partners. The environment must allow analysts to access, integrate, refine and run analytical models, run simulations, and perform geospatial and calculated analyses in a risk analytics workflow system. The analytical results must be produced to support crisis action conditions for a wide variety of hazard profiles in various regions within the United States. Meeting this need also increases the capability of NRMC analysts to produce simulation-based analyses in steady state, which increases the speed during crisis action.

Justification

The FY 2021 President’s Budget does not include PC&I funding for the MCTE, which is expected to reach Full Operational Capability (FOC) in FY 2020. Future funding for sustainment will be provided in CISA’s Operations and Support appropriation.

FY 2019 Key Milestone Events

- Sprint Review and Demo (SRD): A review of the work planned versus completed during the SPR.
- Release Readiness Review/2C (RRR/2C): Determine whether the features/capabilities that were configured during a release meets what was planned and is ready for deployment.
- ADE-2C Release 1.
- IOC FY 2019 Q3.

FY 2020 Planned Key Milestone Events

- Post Implementation Review (PIR): An assessment and review of an operational solution to ascertain how well project objectives were met. This review will only occur once.
- Disposal Review (DR): Is the disposition or decommissioning of the CISA instance and management of the CISA data after access to the application is shut off. This review will only occur after Initial Operational Capability.
- ADE-2C Release 2.
- ADE-2C Release 3.
- ADE-3 FY 2020 Q4.
- FOC FY 2020 Q4.

Overall Investment Funding

| <i>(Dollars in Thousands)</i> | Prior Years | FY 2019 | FY 2020 | FY 2021 |
|--|--------------------|----------------|----------------|----------------|
| Operations and Support | - | \$1,816 | \$2,301 | \$2,375 |
| Procurement, Construction, and Improvements | \$500 | \$413 | - | - |
| Research and Development | - | - | - | - |
| Legacy Appropriations | - | | | |
| Total Project Funding | \$500 | \$2,229 | \$2,301 | \$2,375 |
| Obligations | \$500 | \$2,229 | | |
| Expenditures | \$500 | \$2,229 | | |

Contract Information (Current/Execution Year, Budget Year)

| Contract Number | Contractor | Type | Award Date (mo/yr) | Start Date (mo/yr) | End Date (mo/yr) | EVM in Contract | Total Value |
|-----------------|------------|------|--------------------|--------------------|------------------|-----------------|-------------|
| TBD | | | | | | | |

Significant Changes to Investment since Prior Year Enacted

No significant changes from prior year.

Investment Schedule

| Description | Design Work | | Project Work | |
|---|-------------|-----------|--------------|------------|
| | Initiated | Completed | Initiated | Completed |
| | FY 2019 | | | |
| Initial Operating Capability (Milestone) | | | FY 2019 Q3 | FY 2019 Q3 |
| ADE 2C (Milestone) | | | FY 2019 Q3 | FY 2019 Q3 |
| | FY 2020 | | | |
| ADE 2C Release 2 (Milestone) | | | FY 2020 Q1 | FY 2020 Q1 |
| ADE 2C Release 3 (Milestone) | | | FY 2020 Q3 | FY 2020 Q3 |
| ADE 3 (Milestone) | | | FY 2020 Q4 | FY 2020 Q4 |
| Full Operating Capability (FOC) (Milestone) | | | FY 2020 Q4 | FY 2020 Q4 |
| | FY 2021 | | | |
| N/A | | | | |

Infrastructure Security Assets and Infrastructure – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------------|------------------------|---------------------------------------|---|
| CISA Gateway | \$9,787 | \$4,881 | \$6,801 | \$1,920 |
| Total | \$9,787 | \$4,881 | \$6,801 | \$1,920 |
| Discretionary - Appropriation | \$9,787 | \$4,881 | \$6,801 | \$1,920 |

PPA Level I Description

The Infrastructure Security (IS) PPA funds an acquisition that supports activities related to CISA Gateway, previously called Infrastructure Protection Gateway.

CISA Gateway: The CISA Gateway system provides a secure, encrypted, controlled-access web interface to a suite of specialized tools to DHS Components, Federal agencies, State, local, tribal, and territorial governments, and owner/operators of the Nation’s critical infrastructure. A consistent assessment methodology supports asset-to-asset comparisons, robust analytics, and cross-government sharing of critical infrastructure information. Additionally, textual and geospatial presentations aid user understanding of the underlying data.

Infrastructure Security Assets and Infrastructure – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|----------------|-----------------|----------------|
| Enacted/Request | \$9,787 | \$4,881 | \$6,801 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | - | \$5,241 | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$9,787 | \$10,122 | \$6,801 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$9,787 | \$10,122 | \$6,801 |
| Obligations (Actual/Estimates/Projections) | \$4,546 | \$10,122 | \$6,801 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | - |
| Enacted/Request FTE | - | - | - |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | - |
| FTE (Actual/Estimates/Projections) | - | - | - |

Infrastructure Security Assets and Infrastructure – PPA

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|-----------|-----|----------------|
| FY 2019 Enacted | - | - | \$9,787 |
| FY 2020 Enacted | - | - | \$4,881 |
| FY 2021 Base Budget | - | - | - |
| CISA Gateway | - | - | \$6,801 |
| Total Investment Elements | - | - | \$6,801 |
| FY 2021 Request | - | - | \$6,801 |
| FY 2020 To FY 2021 Change | - | - | \$1,920 |

Infrastructure Security Assets and Infrastructure – PPA**Non Pay Budget Exhibits****Non Pay by Object Class**

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|----------------------------|----------------------------|---------------------------------------|--------------------------------------|
| 25.3 Other Goods and Services from Federal Sources | \$9,787 | \$4,881 | \$6,801 | \$1,920 |
| Total - Non Pay Object Classes | \$9,787 | \$4,881 | \$6,801 | \$1,920 |

Infrastructure Security Assets and Infrastructure – PPA**Capital Investments Exhibits****Capital Investments**

| Investment <i>(Dollars in Thousands)</i> | Unique Item Identifier | Acquisition Level | Procurement/ Construction | IT/Non-IT | MAOL | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|-------------------------------|--------------------------|----------------------------------|------------------|-------------|------------------------|------------------------|-----------------------------------|
| CISA Gateway | 024-000009567 | 2 | Procurement | IT | No | \$9,787 | \$4,881 | \$6,801 |

CISA Gateway – Investment***Capital Investments Exhibits*****Procurement/Acquisition Programs****CISA Gateway****Procurement, Construction, and Investments Funding**

| Investment <i>(Dollars in Thousands)</i> | Unique Item Identifier | Acquisition Level | Procurement/ Construction | IT/Non-IT | MAOL | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|-------------------------------|--------------------------|----------------------------------|------------------|-------------|------------------------|------------------------|-----------------------------------|
| CISA Gateway | 024-000009567 | 2 | Procurement | IT | No | \$9,787 | \$4,881 | \$6,801 |

Investment Description

The CISA Gateway is utilized by DHS headquarters and regional staff (CISA, FEMA, and others), SLTT Partners, Sector-Specific Agencies, Department of Health and Human Services (HHS), Department of Energy (DoE), Department of Defense (DoD), State Homeland Security Advisors and support staff, State and Major Urban Area Fusion Centers, Emergency Operations Centers, First responders, such as police departments, Critical Service & Infrastructure providers and owner/operators for the collection, analysis, and dissemination of critical infrastructure data. The CISA Gateway provides a single user interface for accessing integrated data and analytical tools that provide visualization and modeling of critical infrastructure information in support of event/incident planning and response. The integrated toolsets enable stakeholders to identify and pursue opportunities for reducing risks by gaining a better understanding of infrastructure vulnerabilities and dependencies while supporting national efforts to better understand infrastructure interconnectedness, and possible cascading impacts or consequences from disruption. The CISA gateway system enables data-driven decision making in support of national efforts to enhance critical infrastructure security and resilience to all threats and hazards and support prevention, protection, mitigation, response, and recovery efforts across our partnership landscape.

Justification

The FY 2021 President's Budget includes \$6.8M to begin improvements to the CISA Gateway system.

The current CISA Gateway system is a consolidated set of IT tools and applications that must be modernized in order to support CISA's evolving mission to protect critical infrastructure through risk management and enhanced resiliency. The system is near technical obsolescence and cannot sufficiently support current and future stakeholder mission objectives. The CISA Gateway requires significant resources in FY 2021 in order to support improvements in an IT solution consistent with the stakeholder's mission-essential requirements. The IT solution should possess modern capabilities such as cloud and mobile-based functionality.

In FY 2019, the CISA Gateway began activities to migrate to a cloud-based environment.

In FY 2021, the \$6.8M PCI funding will be used to design a new mission unifying system for CISA Gateway.

FY 2019 Key Milestone Events

- CISA Gateway SEDIT Redesign Project:
 - Initial Operational Capability (IOC) – FY 2019 Q3.
 - Full Operational Capability (FOC) – FY 2019 Q4.
- CISA Gateway Dependency Enhancements Project:
 - RPR – FY 2019 Q2.
 - IOC – FY 2019 Q4.
 - FOC – FY 2019 Q4.
- CISA Gateway Cloud Migration:
 - Contract Award – FY 2019 Q3.

FY 2020 Planned Key Milestone Events

- CISA Gateway Cloud Migration:
 - FOC – FY 2020 Q3.
- Investment Activities:
 - ADE 0/1 – FY 2020 TBD.
 - ADE 2A – FY 2020 TBD.
 - ADE 2B – FY 2020 TBD.

FY 2021 Planned Key Milestone Events

- Investment Activities:
 - ADE 2B – FY 2021 TBD

Overall Investment Funding

| <i>(Dollars in Thousands)</i> | Prior Years | FY 2019 | FY 2020 | FY 2021 |
|--|--------------------|----------------|----------------|----------------|
| Operations and Support | \$349,390 | \$16,617 | \$17,543 | \$16,585 |
| Procurement, Construction, and Improvements | \$3,754 | \$9,787 | \$4,881 | \$6,801 |
| Research and Development | - | - | - | - |
| Legacy Appropriations | - | | | |
| Total Project Funding | \$353,144 | \$26,404 | \$22,424 | \$23,386 |
| Obligations | \$353,144 | \$26,404 | | |
| Expenditures | \$353,144 | \$19,803 | | |

Contract Information (Current/Execution Year, Budget Year)

| Contract Number | Contractor | Type | Award Date (mo/yr) | Start Date (mo/yr) | End Date (mo/yr) | EVM in Contract | Total Value (Dollars in Thousands) |
|------------------------|--|-----------------------|---------------------------|---------------------------|-------------------------|------------------------|---|
| 70RNPP18K00000066 | Department of Energy/Idaho National Laboratory | Interagency Agreement | 08/2018 | 08/2018 | 08/2019 | No | \$1,139 |
| 70RNPP18K00000061 | Department of Energy/Idaho National Laboratory | Interagency Agreement | 08/2018 | 08/2018 | 08/2019 | No | \$1,400 |
| RNII-19-0001 | Vendor TBD | Hybrid (FF/T&M) | 08/2019 | 09/2019 | 09/2023 | No | TBD |

Significant Changes to Investment since Prior Year Enacted

Significant improvements are planned for the CISA Gateway. This includes advancements to cloud-based, mobile, and scalable. It will incorporate new data analytics for evidence-based decisions. This will support steady state operations, event planning and domestic incidents.

Investment Schedule

| Description | Design Work | | Project Work | |
|--|-------------|-------------|--------------|-------------|
| | Initiated | Completed | Initiated | Completed |
| | FY 2019 | | | |
| SEDIT IOC | | | FY 2019 Q3 | FY 2019 Q3 |
| SEDIT FOC | | | FY 2019 Q4 | FY 2019 Q4 |
| Dependency Enhancements RPR | FY 2019 Q2 | FY 2019 Q2 | | |
| Dependency Enhancements IOC | | | FY 2019 Q4 | FY 2019 Q4 |
| Dependency Enhancements FOC | | | FY 2019 Q4 | FY 2019 Q4 |
| Cloud Migration Contract Award | | | FY 2019 Q3 | FY 2019 Q3 |
| | FY 2020 | | | |
| Investment Activities ADE 0/1 | FY 2020 TBD | FY 2020 TBD | | |
| Cloud Migration IOC | | | FY 2020 Q2 | FY 2020 Q2 |
| Investment Activities ADE 2A | FY 2020 TBD | FY 2020 TBD | | |
| Investment Activities ADE 2B | FY 2020 TBD | | | |
| Investment Design and Development Contract Award | | | FY 2020 TBD | FY 2020 TBD |
| Cloud Migration FOC | | | FY 2020 Q3 | |
| | FY 2021 | | | |
| Investment Activities ADE 2B | | FY 2021 TBD | | |

Department of Homeland Security
Cybersecurity and Infrastructure Security Agency
Research and Development



Fiscal Year 2021
Congressional Justification

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Research and Development

Budget Comparison and Adjustments

Comparison of Budget Authority and Request

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|---|--------------------|-----|-----------------|--------------------|-----|-----------------|-------------------------------|-----|----------------|-------------------------------------|-----|------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Cybersecurity R&D | - | - | \$4,695 | - | - | - | - | - | - | - | - | - |
| Infrastructure Security R&D | - | - | \$3,216 | - | - | \$1,216 | - | - | \$1,216 | - | - | - |
| Risk Management R&D | - | - | \$5,215 | - | - | \$13,215 | - | - | \$5,215 | - | - | (\$8,000) |
| Total | - | - | \$13,126 | - | - | \$14,431 | - | - | \$6,431 | - | - | (\$8,000) |
| Subtotal Discretionary - Appropriation | - | - | \$13,126 | - | - | \$14,431 | - | - | \$6,431 | - | - | (\$8,000) |

The Cybersecurity and Infrastructure Security Agency's (CISA) Research and Development (R&D) appropriation provides resources necessary to develop technologies that can be rapidly operationalized within CISA or commercialized in the marketplace. These technologies provide CISA and its partners with leading edge capabilities to reduce risk to National Critical Functions and High Value Assets. R&D funds are used to support the following Technology Readiness Levels (TRLs):

| Basic Research | | Applied Research | | Technology Development | Technology Demonstration | System Development |
|-------------------------------------|---|--|-------------------------------|------------------------------------|---|--|
| TRL-1 | TRL-2 | TRL-3 | TRL-4 | TRL-5 | TRL-6 | TRL-7 |
| Basic Principles Observed/ Reported | Technology Concept/Application Formulated | Critical Function or Characteristic Proof of Concept | Validation in Lab Environment | Validation in Relevant Environment | System Prototypes in Relevant Environment | System Prototypes in Operational Environment |

The appropriation includes the following Programs, Projects, and Activities (PPAs):

Cybersecurity R&D: This Program, Project, and Activity (PPA) funds the development and application of research to ensure reliable, interoperable, and effective CISA technologies and processes. The program works to ensure CISA cyber activities remain abreast of leading-edge cybersecurity defense capabilities in order to maintain and advance computer security preparedness and response to cyberattacks and incidents. Specific emphasis is placed on cybersecurity and CISA's role in addressing challenges by collaborating with Federal departments and agencies to address cybersecurity risks, opportunities, and solutions on cyber issues with public and private sector partners.

Infrastructure Security R&D: This PPA enables CISA leads and coordinates national programs and policies on critical infrastructure security and resilience, which leads to strong partnerships across government and private sectors. The program conducts and facilitates vulnerability and consequence assessments to help critical infrastructure owners and operators and State, local, tribal, and territorial partners understand and address risks to critical infrastructure. Additionally, it provides information on emerging threats and hazards, and offers tools and training to partners to help them manage risks to critical infrastructure.

Risk Management R&D: This PPA funds research and development activities, including activities conducted to enhance the capabilities of the National Infrastructure Simulation and Analysis Center (NISAC). The National Risk Management Center (NRMC) leads risk management efforts for our Nation's critical functions, addressing both cyber and physical threats. NRMC is the hub of operational public-private interaction to manage risk to our Nation's critical infrastructure and provides analytic expertise to CISA projects. NRMC, through its R&D activities, provides homeland security decision makers with timely, relevant, high-quality analysis of cyber and physical risks to critical infrastructure across all sectors, during steady-state operations, and crisis action. NRMC also supports critical infrastructure R&D needs by transitioning Federally developed tools and technologies into use beyond the Federal realm. The R&D program funds the development of advanced modeling and simulation, data analysis, and risk analysis capabilities focused on characterizing disruptions to cyber and infrastructure systems and networks.

Research and Development Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|-----------------|-----------------|----------------|
| Enacted/Request | \$13,126 | \$14,431 | \$6,431 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | \$7,987 | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$21,113 | \$14,431 | \$6,431 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$21,113 | \$14,431 | \$6,431 |
| Obligations (Actual/Estimates/Projections) | \$21,113 | \$14,431 | \$6,431 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | - |
| Enacted/Request FTE | - | - | - |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | - |
| FTE (Actual/Estimates/Projections) | - | - | - |

Research and Development Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|-----------|-----|------------------|
| FY 2019 Enacted | - | - | \$13,126 |
| FY 2020 Enacted | - | - | \$14,431 |
| FY 2021 Base Budget | - | - | - |
| Improvised Explosive Device Precursor. | - | - | \$793 |
| Infrastructure Development and Recovery (IDR) | - | - | \$423 |
| National Infrastructure Simulation and Analysis Center | - | - | \$4,000 |
| Positioning, Navigation, and Timing (PNT) | - | - | \$575 |
| TDDP | - | - | \$640 |
| Total Research and Development Projects | - | - | \$6,431 |
| FY 2021 Request | - | - | \$6,431 |
| FY 2020 To FY 2021 Change | - | - | (\$8,000) |

Research and Development Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Cybersecurity R&D | \$4,695 | - | - | - |
| Infrastructure Security R&D | \$3,216 | \$1,216 | \$1,216 | - |
| Risk Management R&D | \$5,215 | \$13,215 | \$5,215 | (\$8,000) |
| Total | \$13,126 | \$14,431 | \$6,431 | (\$8,000) |
| Discretionary - Appropriation | \$13,126 | \$14,431 | \$6,431 | (\$8,000) |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 25.1 Advisory and Assistance Services | \$793 | \$793 | \$793 | - |
| 25.2 Other Services from Non-Federal Sources | \$423 | \$423 | \$423 | - |
| 25.5 Research and Development Contracts | \$11,910 | \$13,215 | \$5,215 | (\$8,000) |
| Total - Non Pay Object Classes | \$13,126 | \$14,431 | \$6,431 | (\$8,000) |

Research and Development Projects Summary of Projects

| Research and Development Project <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|----------------------------|----------------------------|---------------------------------------|
| Cybersecurity Technology Strategic Initiative | \$4,695 | - | - |
| Improvised Explosive Device Precursor | \$793 | \$793 | \$793 |
| Infrastructure Development and Recovery (IDR) | \$423 | \$423 | \$423 |
| Technology Development and Deployment Program (TDDP) | \$2,000 | - | - |
| Positioning, Navigation, and Timing (PNT) | \$575 | \$575 | \$575 |
| Technology Development and Deployment Program (TDDP) | \$640 | \$5,640 | \$640 |
| National Infrastructure Simulation and Analysis Center | \$4,000 | \$7,000 | \$4,000 |

*Cybersecurity R&D – PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|----------------|----------------------------|------------|---------------|---------------------------------------|------------|---------------|---|------------|---------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Cybersecurity Technology Strategic Initiative | - | - | \$4,695 | - | - | - | - | - | - | - | - | - |
| Total | - | - | \$4,695 | - | - | - | - | - | - | - | - | - |
| Subtotal Discretionary - Appropriation | - | - | \$4,695 | - | - | - | - | - | - | - | - | - |

PPA Level I Description

Cybersecurity R&D works to bridge the traditional barrier that exists between innovators, stakeholders, and Cybersecurity and Emergency Communications operational elements. The PPA projects strive to align and execute this effort by implementing a comprehensive R&D lifecycle approach through the identification of requirements, discovery of relevant research, and transition to practice. Funding for cyber R&D has been provided in the DHS Science and Technology Directorate's (S&T) portion of the FY 2021 President's Budget in order to consolidate cybersecurity research. DHS S&T serves as the research and development arm of the Department as it fulfills its national security mission. S&T will partner with CISA and provide continued research and development to support CISA as it protects the Nation's cyber and critical infrastructure.

Cybersecurity – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|----------------|---------|---------|
| Enacted/Request | \$4,695 | - | - |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | - | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$4,695 | - | - |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$4,695 | - | - |
| Obligations (Actual/Estimates/Projections) | \$4,695 | - | - |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | - |
| Enacted/Request FTE | - | - | - |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | - |
| FTE (Actual/Estimates/Projections) | - | - | - |

Cybersecurity – PPA Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|---|------------------|------------|----------------|
| FY 2019 Enacted | - | - | \$4,695 |
| FY 2020 Enacted | - | - | - |
| FY 2021 Base Budget | - | - | - |
| FY 2021 Request | - | - | - |
| FY 2020 To FY 2021 Change | - | - | - |

Cybersecurity - PPA Non Pay Budget Exhibits

Non Pay Summary

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------------|------------------------|-----------------------------------|---|
| Cybersecurity Technology Strategic Initiative | \$4,695 | - | - | - |
| Total | \$4,695 | - | - | - |
| Discretionary - Appropriation | \$4,695 | - | - | - |

Non Pay by Object Class

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|------------------------|------------------------|-----------------------------------|----------------------------------|
| 25.5 Research and Development Contracts | \$4,695 | - | - | - |
| Total - Non Pay Object Classes | \$4,695 | - | - | - |

Research and Development Projects
Summary of Projects

| Research and Development Project <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|---|--------------------|--------------------|-------------------------------|
| Cybersecurity Technology Strategic Initiative | \$4,695 | - | - |

Cybersecurity Technology Strategic Initiative Research and Development

Technology Readiness Level Exhibit

| Research and Development Project <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|---|--------------------|--------------------|-------------------------------|
| Cybersecurity Technology Strategic Initiative | \$4,695 | - | - |

R&D Project Description

The Cybersecurity Technology Strategic Initiative (CTSI) facilitates R&D that will better enable CISA to protect and secure cyberspace within CISA's mission area, with a focus on the development of cutting edge techniques, processes, systems, and strategies.

- **Problem:** Cyber R&D priorities across DHS and in industry are not prioritized based on the ability to reduce cyber risk. Few R&D projects transition to operational use within DHS or to external stakeholders.
- **Solution:** CTSI supports the collection of requirements from all stakeholders and the identification of Federally funded projects that will (1) help meet CISA's Architecture and Standards requirements. The CTSI supports the adoption of technologies, international standards, and specifications to promote rapid technical innovation, enables information sharing to improve the effectiveness of cybersecurity solutions, and the promotion of cybersecurity awareness, training, and education.
- **Justification:** The FY 2021 President's Budget does not include additional funding for this project. Additional funding for general cybersecurity R&D is funded through S&T.
- **Impact:** CTSI funding enabled CISA to better identify R&D requirements relating to its cybersecurity capabilities, a function now funded and coordinated through S&T.

Type of Research

Basic

Technical Readiness Level

TRL-6

Transition Plans

The research would transition into existing capabilities as appropriate.

Project Schedule

| Research and Development Description | Plan Start Date | Planned Completion | TRL |
|---|-----------------|--------------------|-------|
| FY 2019 | | | |
| Build CISA future capabilities architecture, based on the changing landscape, and incorporate into the enterprise architecture roadmap and develop requirements for new capabilities identified through the gap analysis to improve/enhance CISA cybersecurity mission. | FY 2019 Q1 | FY 2020 Q4 | TRL 6 |
| Identify gaps in current cybersecurity capabilities prioritized based on threat and risk and align CISA investments based on prioritized capabilities. | FY 2019 Q1 | FY 2020 Q4 | TRL 6 |
| FY 2020 | | | |
| N/A | N/A | N/A | N/A |
| FY 2021 | | | |
| N/A | N/A | N/A | N/A |

*Infrastructure Security R&D – PPA***Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization (Dollars in Thousands) | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|--------------------|-----|----------------|--------------------|-----|----------------|-------------------------------|-----|----------------|-------------------------------------|-----|--------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Improvised Explosive Device Precursor | - | - | \$793 | - | - | \$793 | - | - | \$793 | - | - | - |
| Infrastructure Development and Recovery (IDR) | - | - | \$423 | - | - | \$423 | - | - | \$423 | - | - | - |
| Technology Development and Deployment Program (TDDP) | - | - | \$2,000 | - | - | - | - | - | - | - | - | - |
| Total | - | - | \$3,216 | - | - | \$1,216 | - | - | \$1,216 | - | - | - |
| Subtotal Discretionary - Appropriation | - | - | \$3,216 | - | - | \$1,216 | - | - | \$1,216 | - | - | - |

PPA Level I Description

The Infrastructure Security (IS) R&D PPA supports the research, development, and application of innovative technology for community-based critical IS and develops a pragmatic approach for protecting critical infrastructure against terrorist attacks and other emergency situations. This program also develops homeland security technologies that may be transitioned to commercialization. IS includes the following R&D projects:

Improvised Explosive Device Precursor (IEDP): The IEDP R&D is an initiative by which CISA, in a cooperative effort with our international partners, scientifically assesses and quantifies the threat posed by an array of improvised explosive device precursor chemicals. The intended outcome is to inform the basis of security risk management programs in the U.S., including CISA's Protective Security Advisor (PSA) engagement with the chemical sector.

Infrastructure Development and Recovery (IDR): The IDR R&D program encourages an integrated, holistic approach to decision-making that incorporates resilient strategies, policies, and best practices and informs the planning, design, construction, and day-to-day operations of critical infrastructure. A cohesive effort across the Federal interagency community and various stakeholders, including critical infrastructure owners and operations, urban/regional planners, building safety and public works officials, academia, professional organizations, and non-profit/non-governmental organizations, is necessary to address threats and risks, opportunities, and solutions.

Technology Development and Deployment Program (TDDP): The TDDP program works with the critical infrastructure community to identify capability gaps and rapidly develop, test, and deliver innovative technological solutions that increases the resiliency and risk posture of the greater critical infrastructure community. With initial funding in FY 2019, the program was shifted to the Risk Management R&D PPA in FY 2020.

Infrastructure Security R&D – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|----------------|----------------|----------------|
| Enacted/Request | \$3,216 | \$1,216 | \$1,216 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | \$3,987 | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$7,203 | \$1,216 | \$1,216 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$7,203 | \$1,216 | \$1,216 |
| Obligations (Actual/Estimates/Projections) | \$7,203 | \$1,216 | \$1,216 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | - |
| Enacted/Request FTE | - | - | - |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | - |
| FTE (Actual/Estimates/Projections) | - | - | - |

Infrastructure Security R&D – PPA

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|-----------|-----|----------------|
| FY 2019 Enacted | - | - | \$3,216 |
| FY 2020 Enacted | - | - | \$1,216 |
| FY 2021 Base Budget | - | - | - |
| Improvised Explosive Device Precursor. | - | - | \$793 |
| Infrastructure Development and Recovery (IDR) | - | - | \$423 |
| Total Research and Development Projects | - | - | \$1,216 |
| FY 2021 Request | - | - | \$1,216 |
| FY 2020 To FY 2021 Change | - | - | - |

Infrastructure Security R&D – PPA Non Pay Budget Exhibits

Non Pay Summary

| Organization (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|-----------------|-----------------|-------------------------------|-------------------------------------|
| Improvised Explosive Device Precursor | \$793 | \$793 | \$793 | - |
| Infrastructure Development and Recovery (IDR) | \$423 | \$423 | \$423 | - |
| Technology Development and Deployment Program (TDDP) | \$2,000 | - | - | - |
| Total | \$3,216 | \$1,216 | \$1,216 | - |
| Discretionary - Appropriation | \$3,216 | \$1,216 | \$1,216 | - |

Non Pay by Object Class

| Non-Pay Object Classes (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|--------------------|--------------------|-------------------------------|------------------------------|
| 25.1 Advisory and Assistance Services | \$793 | \$793 | \$793 | - |
| 25.2 Other Services from Non-Federal Sources | \$423 | \$423 | \$423 | - |
| 25.5 Research and Development Contracts | \$2,000 | - | - | - |
| Total - Non Pay Object Classes | \$3,216 | \$1,216 | \$1,216 | - |

Research and Development Projects Summary of Projects

| Research and Development Project <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|----------------------------|----------------------------|---------------------------------------|
| Improvised Explosive Device Precursor | \$793 | \$793 | \$793 |
| Infrastructure Development and Recovery (IDR) | \$423 | \$423 | \$423 |
| Technology Development and Deployment Program (TDDP) | \$2,000 | - | - |

Improvised Explosive Device Precursor Research and Development Technology Readiness Level Exhibit

| Research and Development Project (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|--------------------|--------------------|-------------------------------|
| Improvised Explosive Device Precursor | \$793 | \$793 | \$793 |

R&D Project Description

The IEDP R&D is an initiative research project by which CISA, in a cooperative effort with its international partners, scientifically assesses and quantifies the threat posed by an array of improvised explosive device precursor chemicals. The intended outcome is to inform the basis of security risk management programs, including CISA's Protective Security Advisor (PSA) engagement with the chemical sector.

- Problem:** The United States and other nations are facing concerns over the potential use of certain chemicals to create Homemade Explosives (HME) used in Improvised Explosive Devices (IEDs) for terrorist activities. There is little scientific data on many of the precursor chemicals used, and the chemicals used evolve and change over time. As an organization that is responsible for engaging with the chemical sector on the security of certain chemical facilities, CISA must scientifically understand and stay educated on the potential misuses of chemicals.
- Solution:** Full project funding will help decision-makers make informed decisions on the direction of IED-related programs. Funds will be used to continue performing small-scale physical explosive testing on approximately 21 IEDP chemicals. Medium-scale testing is being completed, and large-scale testing will be performed as needed. The results of this testing will provide CISA, the Department, and CISA's committed international partners with information that can be used to inform decision makers as it relates to the security and control of IEDP chemicals. Overall funding for the testing effort includes IEDP R&D funding and matching amounts committed by the international partners. As such, the IEDP effort is a joint international testing project with global implications.
- Justification:** The FY 2021 President's Budget includes funding to maintain this research initiative, with a focus on continuing HME precursor testing for the purpose of informing CISA security risk management programs.
- Impact:** The IEDP scientific testing effort will provide the data necessary to inform decisions on measures to protect against the IEDP threat. Without this data, program offices involved with protecting against the IEDP threat may be disadvantaged in making informed, risk-based decisions to ensure successful threat mitigation.

Type of Research

Applied

Technical Readiness Level

The program will be at Technology Readiness Level 5-7 in FY 2021. This includes validation in the relevant environment, system prototypes in the relevant environment, and system prototypes in the operational environment. Multiple readiness levels are referenced as the program consists of the testing of multiple individual chemicals, each of which will be in varying stages. The TRL levels have not changed since the previous year and are expected to remain in these phases through at least FY 2021 as testing continues.

Transition Plans

This research does not lead to the purchase of equipment.

Project Schedule

| Research and Development Description | Plan Start Date | Planned Completion | TRL Level (s) |
|--|-----------------|--------------------|---------------|
| FY 2019 | | | |
| Small-scale Characterization Testing. | FY 2019 Q4 | FY 2020 Q4 | 5 - 7 |
| Intermediate-scale Thermal Stability & Performance Testing. | FY 2019 Q4 | FY 2020 Q4 | 5 - 7 |
| Large-scale Explosivity Testing. | FY 2019 Q4 | FY 2020 Q4 | 5 - 7 |
| FY 2020 | | | |
| Perform small-scale testing of the 22 precursors listed in the Statement of Work (SOW) per IAA Number HSHQPM-17-X-00205. | FY 2018 Q4 | FY 2020 Q1 | 5 - 7 |
| Produce quick-look reports on 22 precursors based on testing performed in FY 2018 and 2019. | FY 2020 Q1 | FY 2020 Q2 | 5 - 7 |
| Cook off tests and technical reporting. | FY 2020 Q1 | FY 2020 Q4 | 5 - 7 |
| FY 2021 | | | |
| Detonator sensitivity testing and technical reporting. | FY 2021 Q1 | FY 2021 Q2 | 5 - 7 |
| Large scale slow cook-off tests and large-scale air blast testing and associated technical reporting for 1-3 precursors. | FY 2021 Q1 | FY 2021 Q4 | 5 - 7 |

Infrastructure Development and Recovery Research and Development

Technology Readiness Level Exhibit

| Research and Development Project (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|--------------------|--------------------|-------------------------------|
| Infrastructure Development and Recovery (IDR) | \$423 | \$423 | \$423 |

R&D Project Description

The IDR program encourages an integrated, holistic approach to decision-making that incorporates resilient strategies, policies, and best practices and informs the planning, design, construction, and day-to-day operations of critical infrastructure. A cohesive effort across the Federal community and various stakeholders, including critical infrastructure owners and operations, urban/regional planners, building safety and public works officials, academia, professional organizations, and non-profit/non-governmental organizations, is necessary to address threats and risks, opportunities, and solutions.

- **Problem:** Successful implementation of critical infrastructure security and resilience across the Nation requires the identification and/or development of cross-sector, multi-threat resilience solutions that expand the Federal Government's capabilities to further the long-term security and resilience of the Nation's critical infrastructure. Accomplishing this mission presents significant challenges in an environment of evolving threats, hazards, and risks.
- **Solution:** Project funding will continue work with public and private infrastructure stakeholders on the process of applied research, capability development, piloting, and implementation to ensure that CISA is leveraging the infrastructure partnership to enhance the security and resilience of critical infrastructure functions and systems. Areas of interest and collaboration include the development and synthesis of interagency tools, guidance, and technical assistance offerings that support critical infrastructure security and resilience considerations in infrastructure long-term planning and investment, design, operations and maintenance, and recovery planning. Specific activities include the following:
 - Resilient Investment Planning and Development Working Group authorized by CIPAC and the Subject Matter Expert Network
 - Critical Infrastructure Resilience Planning Framework (IRPF) to pre-disaster mitigation, post disaster recovery, and comprehensive regional economic development planning and the development of a web-based capability that enables CISA to promulgate resilience enhancement capabilities across stakeholders. The IRPF will include a content library of infrastructure resilience resources, to include analytic tools, capabilities, and informational resources that Federal, State, local, tribal, and territorial governments and private sector partners can apply to enhance resilience.
 - Data Analytics and Cooperative Resilient Ports Efforts provides support for the cooperative resilient port efforts and data analytics related to vulnerability and consequence assessments.

- **Justification:** Funding requested in the FY 2021 President’s Budget will be used to work with the U.S. Army Corps of Engineers’ Engineer Research and Development Center and the S&T Centers of Excellence on the development of a port resilience guide, and to further pilot and develop the Infrastructure Resilience Planning Framework with State, local, tribal, and territorial Governments; FEMA; and national technical assistance providers before delivering it to regional staff. CISA will also support the development of the Resilient Investment Planning and Development Working Group’s (RIPDWG) subject matter expert network, which will advise CISA and the private sector on how to best address obstacles to investment in long-term resilience of infrastructure systems and services. Decisions on critical infrastructure projects and funding are made at the local/regional levels and are implemented through various planning documents, such as comprehensive plans, hazard mitigation plans, economic development plans. The IDR program develops methods that enable the application of infrastructure dependency/interdependency relationships and consequence of failure understanding to enhance the quality and effectiveness of these plans to enhance regional infrastructure resilience.
- **Impact:** These efforts help integrate critical infrastructure security and resilience considerations into communities infrastructure long-term planning, investment, design, and recovery, which directly aligns with CISA’s mission for protecting and enhancing the Nation’s critical infrastructure from all threats and hazards and managing the risks to the Nation’s assets and systems.

Type of Research

Applied

Technical Readiness Level

The program began at Technical Readiness Level-2 “Technology Concept/Application Formulated” in FY 2017 and will achieve Technical Readiness Level-7 “System Prototypes in Operational Environment” in FY 2021.

Transition Plans

- The research would transition into existing capabilities as appropriate.

Project Schedule

| Research and Development Description | Plan Start Date | Planned Completion | TRL Level (s) |
|---|------------------------|---------------------------|----------------------|
| FY 2019 | | | |
| Develop and finalize Critical Infrastructure Resilience Toolkit (CIRT) content library and associated search functions. | FY 2019 Q1 | FY 2019 Q4 | 5 |
| Develop and integrate Infrastructure Resilience Planning Framework (IPRF) into the CIRT. | FY 2019 Q1 | FY 2019 Q4 | 5/6 |
| Develop and integrate CIRT decision support capability for asset identification and criticality indexing. | FY 2019 Q2 | FY 2019 Q4 | 5/6 |
| FY 2020 | | | |
| Develop and integrate RRAP resources into the CIRT. | FY 2020 Q1 | FY 2020 Q4 | 7 |
| Develop and integrate post-disaster response and recovery resources into the CIRT. | FY 2020 Q1 | FY 2020 Q4 | 7 |
| FY 2021 | | | |
| Develop and deliver training in the use of the IRPF and associated tools to regional staff, PSAs, and regional practitioners to promote adoption and use of these resources to support regional resilience planning | FY 2021 Q1 | FY 2021 Q4 | 7 |

Technology Development and Deployment Program Research and Development

Technology Readiness Level Exhibit

| Research and Development Project (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|--------------------|--------------------|-------------------------------|
| Technology Development and Deployment Program (TDDP) | \$2,000 | - | - |

R&D Project Description

The TDDP program works with the critical infrastructure community to identify capability gaps and rapidly develop, test, and deliver innovative technological solutions that increases the resiliency and risk posture of the greater critical infrastructure community. With initial funding in FY 2019, the program was shifted to the Risk Management R&D PPA in FY 2020.

Further detail on this R&D project can be found in the Risk Management R&D PPA.

Risk Management R&D – PPA**Budget Comparison and Adjustments****Comparison of Budget Authority and Request**

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | | | FY 2020 Enacted | | | FY 2021 President's Budget | | | FY 2020 to FY 2021 Total Changes | | |
|--|----------------------------|------------|----------------|----------------------------|------------|-----------------|---------------------------------------|------------|----------------|---|------------|------------------|
| | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount | Pos. | FTE | Amount |
| Positioning, Navigation, and Timing (PNT) | - | - | \$575 | - | - | \$575 | - | - | \$575 | - | - | - |
| Technology Development and Deployment Program (TDDP) | - | - | \$640 | - | - | \$5,640 | - | - | \$640 | - | - | (\$5,000) |
| National Infrastructure Simulation and Analysis Center | - | - | \$4,000 | - | - | \$7,000 | - | - | \$4,000 | - | - | (\$3,000) |
| Total | - | - | \$5,215 | - | - | \$13,215 | - | - | \$5,215 | - | - | (\$8,000) |
| Subtotal Discretionary - Appropriation | - | - | \$5,215 | - | - | \$13,215 | - | - | \$5,215 | - | - | (\$8,000) |

PPA Level I Description

The Risk Management Operations program funds R&D activities to develop capabilities to model, simulate, and conduct other advanced analysis of cyber and physical risks to critical infrastructure across all national critical functions. These activities, including activities conducted by NRMC through the NISAC, inform critical infrastructure risk mitigation in support of both steady-state operations and crisis action. Risk Management Operations includes the following R&D projects:

Positioning, Navigation, and Timing (PNT): The DHS National Critical Infrastructure PNT Project Management Office (PMO) works to fully map PNT requirements, and, in coordination with the interagency and private sector, to identify appropriate means to ensure the delivery of secure and reliable PNT to users.

Technology Development and Deployment Program (TDDP): This program works with the critical infrastructure community to identify capability gaps and rapidly develop, test, and deliver innovative technological solutions that increases the resiliency and risk posture of the greater critical infrastructure community.

National Infrastructure Simulation and Analysis Center (NISAC): NRMC leverages the advanced modeling and simulation capabilities of technical performers, including the National Laboratories, to model and understand regional and national-level direct and cascading impacts of failures and disruptions to infrastructure.

Risk Management R&D – PPA

Budget Authority and Obligations

| Budget Authority (Dollars in Thousands) | FY 2019 | FY 2020 | FY 2021 |
|--|----------------|-----------------|----------------|
| Enacted/Request | \$5,215 | \$13,215 | \$5,215 |
| Carryover and/or Recoveries (Actual/Estimates/Projections) | \$4,000 | - | - |
| Rescissions to Current Year/Budget Year | - | - | - |
| Net Sequestered Resources | - | - | - |
| Reprogrammings/Transfers | - | - | - |
| Supplementals | - | - | - |
| Total Budget Authority | \$9,215 | \$13,215 | \$5,215 |
| Collections – Reimbursable Resources | - | - | - |
| Total Budget Resources | \$9,215 | \$13,215 | \$5,215 |
| Obligations (Actual/Estimates/Projections) | \$9,215 | \$13,215 | \$5,215 |
| Personnel: Positions and FTE | | | |
| Enacted/Request Positions | - | - | - |
| Enacted/Request FTE | - | - | - |
| Onboard and Actual FTE; Includes Collections - Reimbursable Resources | | | |
| Onboard (Actual/Estimates/Projections) | - | - | - |
| FTE (Actual/Estimates/Projections) | - | - | - |

Risk Management R&D – PPA

Summary of Budget Changes

| Budget Formulation Activity <i>(Dollars in Thousands)</i> | Positions | FTE | Amount |
|--|-----------|-----|-----------|
| FY 2019 Enacted | - | - | \$5,215 |
| FY 2020 Enacted | - | - | \$13,215 |
| FY 2021 Base Budget | - | - | - |
| National Infrastructure Simulation and Analysis Center | - | - | \$4,000 |
| Positioning, Navigation, and Timing (PNT) | - | - | \$575 |
| TDDP | - | - | \$640 |
| Total Research and Development Projects | - | - | \$5,215 |
| FY 2021 Request | - | - | \$5,215 |
| FY 2020 To FY 2021 Change | - | - | (\$8,000) |

Risk Management R&D – PPA Non Pay Budget Exhibits

Non Pay Summary

| Organization <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Total Changes |
|--|------------------------|------------------------|-----------------------------------|---|
| Positioning, Navigation, and Timing (PNT) | \$575 | \$575 | \$575 | - |
| Technology Development and Deployment Program (TDDP) | \$640 | \$5,640 | \$640 | (\$5,000) |
| National Infrastructure Simulation and Analysis Center | \$4,000 | \$7,000 | \$4,000 | (\$3,000) |
| Total | \$5,215 | \$13,215 | \$5,215 | (\$8,000) |
| Discretionary - Appropriation | \$5,215 | \$13,215 | \$5,215 | (\$8,000) |

Non Pay by Object Class

| Non-Pay Object Classes <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget | FY 2020 to FY 2021 Change |
|--|------------------------|------------------------|-----------------------------------|----------------------------------|
| 25.5 Research and Development Contracts | \$5,215 | \$13,215 | \$5,215 | (\$8,000) |
| Total - Non Pay Object Classes | \$5,215 | \$13,215 | \$5,215 | (\$8,000) |

Research and Development Projects
Summary of Projects

| Research and Development Project <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|---|--------------------|--------------------|-------------------------------|
| Positioning, Navigation, and Timing (PNT) | \$575 | \$575 | \$575 |
| Technology Development and Deployment Program | \$640 | \$5,640 | \$640 |
| National Infrastructure Simulation and Analysis Center | \$4,000 | \$7,000 | \$4,000 |

Positioning, Navigation, and Timing Research and Development Technology Readiness Level Exhibit

| Research and Development Project <i>(Dollars in Thousands)</i> | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|---|--------------------|--------------------|-------------------------------|
| Positioning, Navigation, and Timing (PNT) | \$575 | \$575 | \$575 |

R&D Project Description

The DHS National Critical Infrastructure PNT Project Management Office (PMO) works to fully map PNT requirements and develop prioritized risk mitigation strategies for the country. DHS will conduct research to determine where and how public and private sector resources can be applied to reduce risk. The research will focus on areas where the denial or corruption of PNT data will have cascading impacts on multiple critical infrastructure sectors or on national critical functions. The PMO will also continue its work with interagency partners to address known vulnerabilities in commercial PNT receivers through the testing of Global Positioning System (GPS)/PNT receivers and understanding how the integration of new PNT systems creates opportunities and risk. This work will lead to a conformance framework to standardize the security rating of GPS and Global Navigation Satellite Systems (GNSS) receivers.

- Problem:** There are known vulnerabilities to commercial GPS receivers and the spectrum used by GPS. Regardless, industry continues to adopt the use of GPS without sufficient mitigations to address these risks. Recently the FCC approved the use of the European Unions (EU) equivalent of GPS within the US. We have indications that PNT receivers in the United States will not only include the approved EU signals but will also include the ability to receive and process signals from the Russian and Chinese GNSS as well. Users are likely to adopt the use of these systems as they perceive it increases accuracy and builds resilience through redundancy. The risk associated with the use of foreign systems is not understood.
- Solution:** This effort will develop products, programs, and mitigation strategies for critical infrastructure owners and operators. CISA, working with the critical infrastructure community, will increase awareness of the risk associated with dependence on PNT capabilities provided by GPS and Foreign GNSS. Focus areas for research and development will include the identification of emerging threats. Development of receiver conformance standards and wide-ranging efforts to reduce risk through technology, procedures and policy. These efforts are conducted in coordination with private industry, interagency partners and S&T. The PMO, in coordination with interagency partners, develops standards for GPS receivers and ensures Federal agencies reliant on GPS have options to mitigate vulnerabilities.

- **Justification:** The FY 2021 President’s Budget includes funding for this research initiative to assess vulnerabilities that PNT systems are capable of introducing into the Nation’s critical infrastructure. CISA will achieve this by coordinating with PNT service providers and expanding the conformance framework to include position and navigation receivers.
- **Impact:** This work will clarify the risks posed by use of foreign GNSS and provide further information regarding possible approaches to mitigating such risks. It will also advance efforts to create an objective standard to measure the security and resilience of PNT systems and receivers.

Type of Research

Applied

Technical Readiness Level

The program will be Technology Readiness Level (TRL) 7 System Prototypes in the Operational Environment in FY 2020. The program will continue to operate at TRL 7 “System Prototypes in the Operational Environment” in FY 2021.

Transition Plans

This research does not lead to the purchase of equipment.

Project Schedule

| Research and Development Description | Plan Start Date | Planned Completion | TRL Level(s) |
|---|------------------------|---------------------------|---------------------|
| FY 2019 | | | |
| Develop the Final Executive Summary and Congressional Report of the findings of the PNT Requirements and Market Assessment. | FY 2019 Q1 | FY 2019 Q2 | 7 |
| Using the Requirements Study and the S&T Receiver Testing Data develop a Congressional Report on the results and the next steps including cost and time line to publish a Request for Proposal (RFP) to meet the validated requirements for Critical Infrastructure. | FY 2019 Q1 | FY 2019 Q3 | 7 |
| Using an FFRDC performer develop a more defined PNT way-ahead that pertains to acquisition events (Operational/Mission Needs Statement, Capability Analysis Report and a Capability Development Plan), policy development/change, and organizational requirement for those identified PNT requirements. | FY 2019 Q2 | FY 2019 Q4 | 7 |
| Conduct analysis, and validation of the R&D findings/requirements that could change national PNT policy and organizational structure to support the need for a PNT backup/complementary solution set(s), to include information for the Resource Allocation Plan (RAP) build and modifications of TOs or new TOs. | FY 2019 Q3 | FY 2020 Q4 | 7 |
| FY 2020 | | | |
| Develop a pilot program to demonstrate the “responsible use of PNT” at a critical infrastructure node. This node will access the ability to build secure and resilient PNT systems at local nodes. This effort supports the “responsible Use EO”. | FY 2020 Q1 | FY 2021 Q3 | 7 |
| Assess the vulnerabilities of Chipsets that use US, Russian, Chinese and European Union GNSS. Develop best practices to mitigate the use of foreign GNSS in US critical infrastructure. | FY 2020 Q2 | FY 2021 Q4 | 7 |
| Initiate efforts to assess the vulnerabilities of 5G to PNT disruptions. | FY 2020 Q2 | FY 2024 Q2 | 7 |
| Assess the ability to adversely impact the power grid through the manipulation of time. Develop methodologies for mitigating critical vulnerabilities. | FY 2020 Q3 | FY 2020 Q4 | 7 |
| FY 2021 | | | |
| Expand the conformance framework to include position and navigation receivers. | FY 2021 Q1 | FY 2023 Q1 | 7 |
| Coordinate with companies that are delivering PNT as a service and assess vulnerabilities that these systems might introduce into critical infrastructure. | FY 2021 Q2 | FY 2025 Q2 | 7 |

Technology and Development and Deployment Program Research and Development

Technology Readiness Level Exhibit

| Research and Development Project (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|--------------------|--------------------|-------------------------------|
| Technology Development and Deployment Program (TDDP) | \$640 | \$5,640 | \$640 |

R&D Project Description

Through TDDP, the NRMCM identifies and develops innovative, cost-effective projects that address capability gaps to strengthen the security and resilience of the broader critical infrastructure community. Projects funded under TDDP are meant to have tangible results that can be quickly developed and implemented while remaining sustainable across multiple national critical functions.

- **Problem:** There is a need for a unique and innovative program that conducts and applies cutting edge research to advance proofs of concept focused on enhancing infrastructure security and resilience.
- **Solution:** The TDDP effort will capture innovative solutions that address shared CISA and broader community knowledge gaps/emerging threats identified by the critical infrastructure community. These solutions/proofs of concept can then broadly support NRMCM initiatives in the critical infrastructure community. Projects are, in part, selected based on the criteria and capability of the proposed research and development project to benefit a broad range of national critical functions. The TDDP selection process evaluates technologies currently in development within NISAC and other Federal/non-Federal research and development centers, leveraging existing efforts where possible and initiating new efforts to fill critical gaps in analytic tool capability. This selection process enables small amounts of funding to achieve substantial benefits in the near-term.
- **Justification:** The FY 2021 President's Budget maintains funding for this research initiative to address capability gaps and identify technical solutions priority risk management areas requiring innovative technologies.
- **Impact:** Previously selected TDDP projects have demonstrated significant impacts within critical infrastructure protection. It is expected that these projects will provide results similar to these earlier successes, to include the following:
 - The development of shared public/private common operating pictures and supporting systems which were deployed during the 2018 Hurricane response
 - Expanded capability to monitor cyber security for smaller utilities
 - Substantial progress in establishing emergency services voluntary standards

Type of Research

Applied

Technical Readiness Level

The program will be Technology Readiness Levels (TRLs), 2 “Technology Concept / Application Formulated”, 3 “Critical Function or Characteristic Proof of Concept”, 4 “Validation in Lab Environment”, 5 “Validation in Relevant Environment”, 6 “System Prototypes in Relevant Environment”, and 7 “System Prototypes in Operational Environment” in FY 2019 and FY 2020. The program will continue to operate at TRL 7 “System Prototypes in the Operational Environment” in FY 2021.

Transition Plans

Selected projects are required to establish transition plans to ensure effectiveness and sustainability. Metrics are captured and validated to ensure successful transition to implementation.

Project Schedule

The table below provides the major calendared milestones for TDDP. Each year the individual projects vary, depending on the current risk priorities of leadership. Following selection of the project, specific deliverables are outlined through the contract process and will determine the subsequent timelines and accomplishments of individual project selections.

| Research & Development Description | Plan Start Date | Planned Completion | TRL |
|---|------------------------|---------------------------|------------|
| FY 2019 | | | |
| Select performer to develop the transition-to-use methodology and pilot program. | FY 2019 Q4 | FY 2020 Q4 | 2-7 |
| FY 2020 | | | |
| Identify FY 2020 priority risk management areas requiring innovative technologies. | FY 2020 Q2 | FY 2020 Q2 | 2-7 |
| Identify Federal technologies ready for transition and in alignment with community needs. | FY 2020 Q3 | FY 2020 Q3 | 2-7 |
| Select FY 2020 TDDP projects and issue contracts/agreements for award. | FY 2020 Q4 | FY 2021 Q1 | 2-7 |
| FY 2021 | | | |
| Identify FY 2021 priority risk management areas requiring innovative technologies. | FY 2021 Q2 | FY 2021 Q2 | 2-7 |
| Validate capability gaps and identify technical solutions, either existing or new. | FY 2021 Q3 | FY 2021 Q3 | 2-7 |
| Select FY 2021 TDDP projects and issue contracts/agreements for award. | FY 2021 Q4 | FY 2021 Q4 | 2-7 |

National Infrastructure Simulation and Analysis Center

Research and Development

Technology Readiness Level Exhibit

| Research and Development Project (Dollars in Thousands) | FY 2019 Enacted | FY 2020 Enacted | FY 2021 President's Budget |
|--|--------------------|--------------------|-------------------------------|
| National Infrastructure Simulation and Analysis Center | \$4,000 | \$7,000 | \$4,000 |

R&D Project Description

NISAC leverages the advanced modeling and simulation capabilities of technical performers, including the National Laboratories, to build long-term capabilities and execute complex analytics. Through the NISAC, NRMCC conducts modeling, simulation, and advanced analytics to support planning and risk management, including in-depth studies on critical infrastructure dependencies and interdependencies. NISAC enables homeland security decision makers to leverage modeling and simulation capabilities to support both operational efforts and strategic planning.

- **Problem:** Homeland security decision makers need timely, relevant, high-quality analysis of cyber and physical risks to critical infrastructure across all sectors, during steady-state operations and crisis action. In order to support these decisions, analysts require innovative tools and frameworks that are able to cope with sparse data environments, can be used to provide analysis within acceptable timeframes, and provide reliable outputs.
- **Solution:** NRMCC R&D leverages a diverse group of expert performers, including the National Laboratories, through the NISAC program to develop capabilities to model, simulate, and conduct other advanced analysis of cyber and physical risks to the national critical functions.
- **Justification:** The FY 2021 President's Budget includes funding to address priority risk management areas requiring modeling simulation or advance analytic research and/or development.
- **Impact:** The expert, innovative analysis and modeling provided through this initiative informs the Nation's most significant cyber and physical infrastructure homeland security decisions.

Type of Research

Developmental

Technology Readiness Level

The program will be Technology Readiness Levels (TRLs) 2 “Technology Concept / Application Formulated”, 3 “Critical Function or Characteristic Proof of Concept”, 4 “Validation in Lab Environment”, 5 “Validation in Relevant Environment”, 6 “System Prototypes in Relevant Environment”, and 7 “System Prototypes in Operational Environment” in FY 2019 and FY 2020. The program will continue to operate at TRL 7 “System Prototypes in the Operational Environment” in FY 2021.

Transition Plans

- This research does not lead to the purchase of equipment.

Project Schedule

The table below provides the major milestones for NISAC R&D. Each year the priorities and selections vary, depending on the current nature of priority risks or infrastructure systems of concern. Following selection of the projects, specific deliverables are outlined through the contract/agreement process and will determine the subsequent timelines and accomplishments of individual project selections.

| Research & Development Description | Plan Start Date | Planned Completion | TRL |
|--|-----------------|--------------------|-----|
| FY 2019 | | | |
| Identify FY 2019 priority risk management areas requiring modeling simulation or advance analytic research and/or development. | FY 2019 Q2 | FY 2019 Q2 | 2-7 |
| Open the FY 2019 NISAC submission process focusing on identified priority areas. | FY 2019 Q3 | FY 2019 Q3 | 2-7 |
| Close FY 2019 submission process and begin reviewing submissions. | FY 2019 Q4 | FY 2019 Q4 | 2-7 |
| Select FY 2019 NISAC Research and Development Projects and issue contracts/agreements for selected submissions. | FY 2019 Q4 | FY 2019 Q4 | 2-7 |
| FY 2020 | | | |
| Identify FY 2020 priority risk management areas requiring modeling simulation or advance analytic research and/or development. | FY 2020 Q2 | FY 2020 Q2 | 2-7 |
| Open the FY 2020 NISAC submission process focusing on identified priority areas. | FY 2020 Q3 | FY 2020 Q3 | 2-7 |
| Close FY 2020 submission process and begin reviewing submissions. | FY 2020 Q4 | FY 2020 Q4 | 2-7 |
| Select FY 2020 NISAC Research and Development Projects and issue contracts/agreements for selected submissions. | FY 2020 Q4 | FY 2020 Q4 | 2.7 |
| FY 2021 | | | |
| Identify FY 2021 priority risk management areas requiring modeling simulation or advance analytic research and/or development. | FY 2021 Q2 | FY 2021 Q2 | 2-7 |
| Open the FY 2021 NISAC submission process focusing on identified priority areas. | FY 2021 Q3 | FY 2021 Q3 | 2-7 |
| Close FY 2021 submission process and begin reviewing submissions. | FY 2021 Q4 | FY 2021 Q4 | 2-7 |
| Select FY 2021 NISAC Research and Development Projects and issue contracts/agreements for selected submissions. | FY 2021 Q4 | FY 2021 Q4 | 2-7 |